JAN 3 1950

Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 157 No. 1 January 2, 1950

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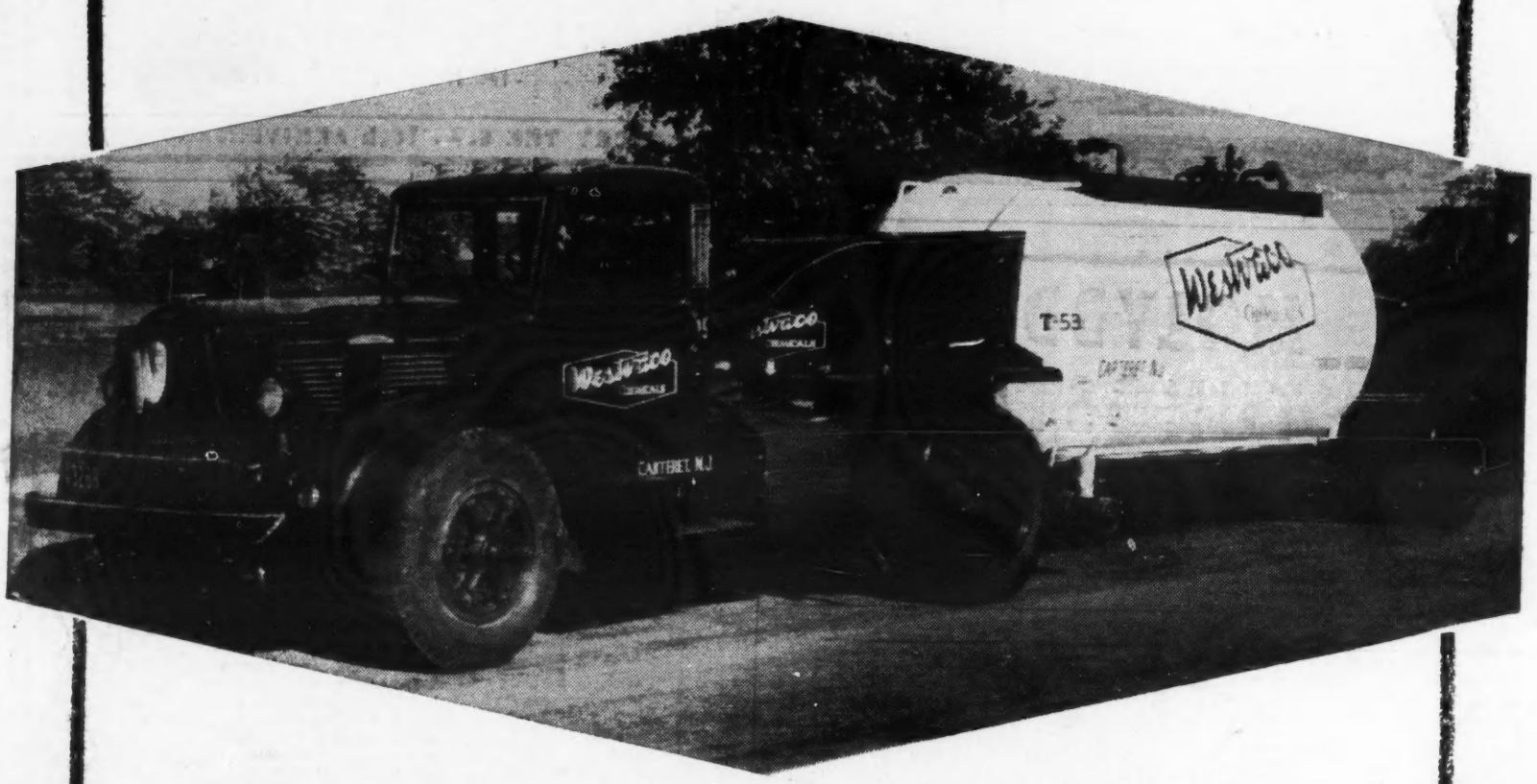

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JAN 3 1950

Oil, Paint and Drug Reporter

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Residue Tolerances Hearings Plan Set

Hearings before the Federal Food and Drug Administration on proposed regulations limiting the use of poisonous or deleterious substances on or in fresh fruits and vegetables have been divided into five parts by Bernard D. Levinson, presiding officer, with hearings on the first part calculated to run for four months.

Members of the chemical industry and others interested in the hearings were advised last week by Mr. Levinson of order of procedure to be followed. The schedule calls for the chemical industry representatives to present their evidence last. Opening testimony will come from representatives of the Department of Agriculture, followed by representatives of state agencies, and then by grower associations.

The first phase of the hearings (Part A) will deal with the necessity for using added substances for controlling the enemies which interfere with the production of fresh fruits and fresh vegetables. Upon completion of the first phase, a brief recess will be taken to be followed by hearings on:—

B. Whether the substances required for the production of fresh fruits and vegetables are poisonous or deleterious.

C. The amounts of these substances which are poisonous or deleterious that are received from all sources by consumers.

D. The toxicity of the substances for which limits are to be established.

E. Amending the regulation which established the fluorine tolerance.

Five Copies of Exhibits Needed

Prospective witnesses who plan to supplement their testimony with exhibits were urged to prepare five copies for the record and submit them well in advance of the time when the witness testifies so that other interested parties may familiarize themselves with them so as to make for more orderly cross-examination.

According to the schedule for Part A, representatives of the chemical industry expect to take six weeks to present the industry's viewpoint on the "necessity" for using insecticides and fungicides in crop production. Eleven companies have advised Mr. Levinson that they intend to submit testimony on the subject. Those so recorded and the estimated time they will consume are:—

Richard F. Hansen, assistant secretary of the General Chemical Division of Allied Chemical & Dye Corporation, three hours; Joseph Regenstein, president of Velsicol Corporation, Chicago, one day; Harold Noble of S. B. Penick & Co., one hour; U. S. Rubber Company, Naugatuck Chemical Division, one and one-half days; W. C. Roszel of Carbide & Chemicals Corporation, three days.

Also Charles S. Maddock, assistant general counsel, Hercules Powder Com-

—*Continued on page 49*

Germany to Purchase U.S. Chemical Products

Purchase of approximately $1,750,000 of chemical industry products from American sources is contemplated by Germany, according to the Economic Cooperation Administration. Interested American suppliers were asked to submit bids to German importers prior to January 17 and contact the small business office of ECA for further information on the purchase program.

Among the products to be bought are the following, under procurement authorization 08-390-00-6004:—Chemical additives for lubricating oil, $110,000; special insulating enamel, $50,000; carbon black, $20,000; 2,4,5-trichlorophenol, $28,700; synthetic resins, $1,000; monomeride metacrylate, $2,000; betanaphthalyamine, $22,300; Victoria blue, Victoria blue pure, rhodamine, vesuvin, crystalline violet, $20,000; ray reflecting colored foils, $4,000; phosphoric acid therm., $30,000; boric acid,$20,000; glyceryl monostearate, $50,000; ethylcellulose, $15,000; sodium phosphate, $50,000; naphthenic acid, acid number 230-270, $100,000; furfural, $30,000; boron minerals, $100,000; magnesium oxide, CP, $5,000; certain rare earth compounds, $50,000; crude soap lye glycerin, minimum 8 percent glycerol, BBS and JMS, $800,000; dynamite glycerin, Nobel test, $200,000.

Price Trend Registers Slight Gain

Activity in the markets for chemicals, oils and drugs slowed to the usual sluggish holiday pace last week, and the overall price index reflected a meager 0.2 point increase over the previous week and ended the year 17.2 points below that of last year. The December monthly average was the lowest of 1949.

The general market received most strength from the fats and oils division where, although trading was restricted to occasional carlots, firmness resulted from advances in copra, coconut oil, corn oil and peanut oil. Strength in tallow and grease continued to be a feature.

Tin chemicals were reduced, but the principal concern in the heavy chemicals market was still the strikes in Carlsbad, N. M., potash plants. Producers of potash-based chemicals were cutting back production to conserve dwindling inventories of the raw material. Chlorine is the only other product entering the new year in tight position. Many fertilizer mixers have been forced by the potash strikes to suspend operations.

Some producers of coaltar benzol and toluol increased prices to correspond to the move made in the previous week by others in the industry. Xylol prices were still unchanged. The oil trade, although admitting the coaltar industry's action was significant, indicated that no comparable move was planned for petroleum aromatics.

Demand for protective coatings materials was quiet but prospects for 1950 were regarded as excellent. Price changes included an increase in imported casein, announcement of a January 3 advance in bone glue and various first-of-the-year adjustments.

There was a slightly higher price quoted for castor beans and, among the botanical drugs, increases in ergot and rhubarb root offset reductions in bloodroot and gum arabic. Prompt delivery demand in the market for essential oils was light, but it was reported excellent for after the turn of the year. This was especially true of the products used in antihistaminic drugs.

Of most interest in sizing materials was the improvement in the supply condition of potato starch. Producers and grinders were in a position to offer more freely for January and forward delivery. Among the textile chemicals, potassium bichromate was slated for an increase in 1950 delivery price.

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Dec. 30, 1949	Dec. 23, 1949	Dec. 30, 1948
124.8	124.6	142.0

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1949	1948	1947	1946	1941
January	142.0	150.4	150.9	135.3	107.3
February	140.4	147.2	151.9	133.4	110.3
March	137.6	146.2	154.9	135.2	111.9
April	133.6	146.2	152.3	134.9	115.5
May	131.2	146.7	146.1	135.1	118.2
June	128.7	147.3	143.9	135.4	121.9
July	128.1	145.9	142.5	137.7	125.5
August	128.9	144.4	140.4	136.6	128.2
September	129.1	144.3	141.9	137.0	130.4
October	126.6	143.7	146.1	143.1	133.2
November	125.7	144.4	149.7	149.2	135.1
December	124.7	143.5	150.4	150.2	140.3
The year	131.2	145.9	147.6	138.8	123.2

Synthetic Rubber Technical Knowledge Pooling Plan Ends

The pooling of technical know how and patents on production of synthetic rubber among the producing companies has been ended in line with the provisions of the rubber act of 1948, according to the Reconstruction Finance Corporation.

The rubber act of 1948 directed that the President terminate the wartime patent pool as soon as practicable so that various companies could continue with development privately. The pooling agreement was first entered into in December, 1941, and provided that all technical developments and patents in connection with the development of synthetic rubber be sent to the government for distribution among other signers of the agreement.

Six companies were parties to the agreement. They were: — Goodyear Tire & Rubber Company, B. F. Goodrich Company, Firestone Rubber Company, U. S. Rubber Company, Standard Oil Development Company, and Phillips Petroleum Company.

U.S. and Haiti Annecy Agreements Put Into Effect

Tariff duties on imports of vetiver oil were reduced from 7½ percent ad valorem to 6¼ percent ad valorem, effective January 1 by presidential proclamation putting into effect the Annecy agreement between the United States and Haiti.

The President's proclamation, which was issued by the White House December 22, also gave effect to provisions of the agreement covering other tariff concessions granted to Haiti, including agreement by the United States to "bind" lemongrass oil and turmeric on the free list, and a reduction in duties on rum from 13½ percent ad valorem plus $2.25 per proof gallon to 8¾ percent ad valorem plus $1.75 per proof gallon.

Helium Use Rules Revised

Part one of the regulations of the Bureau of Mines relating to the production and sale of helium was modified in a number of minor respects last week by the bureau.

Provision was made to increase the volume of contracts so as to encourage small users to purchase from distributors instead of from the bureau. A change was made in rental charges on cylinders to lessen the cost to user of 500 or more cylinders a year, and the basis of rental for tankcars was changed from $20 a day to $88, plus 11 cents a mile per round trip.

TVA Reports 1949 Fertilizer Operations

The Tennessee Valley Authority stated in its annual report to congress last week that its chemical plants produced 158,700 tons of triple superphosphate fertilizer during the fiscal year 1949; 3,500 tons of calcium metaphosphate fertilizer; 15,200 tons of fused tricalcium phosphate fertilizer; 36,600 tons of decalcium phosphate for stock feed supplement, and 151,200 tons of ammonium nitrate fertilizer.

The report stated also that a continuous vacuum crystallization process for producing ammonium nitrate, essentially eliminating the exploding hazard in present methods of graining, was placed in operation and was being perfected.

Nearly 400 visitors came to the chemical plants to obtain technical information on fertilizer research. Three companies were licensed on a royalty-free, non-exclusive basis to use two TVA processes, one for the continuous mixing process for producing concentrated superphosphate and the other for manufacture of a water-gas conversion catalyst for synthetic ammonia production.

Nearly 1,200 new test-demonstration farms were established during the year under auspices of state agricultural extension services to use TVA fertilizers. About 7,400 test farms in all used TVA fertilizer materials during the year under a partial payment plan.

Chemical Additives Studied By Nat'l Research Council

Approximately seventy-five representatives of chemical companies, canning organizations, food processors and others held a one-day conference on December 29 at the National Research Council on problems created by the increasing use of chemicals at various stages in the food industry.

Details of the conference were not made public at this time, but it is understood that the meeting was concerned chiefly with chemical spray residues and with chemical additives for improving the quality of foods. The conference was held under the auspices of the committee on food protection of the food and nutrition board of the National Academy of Science.

The meeting is of considerable significance to both the chemical and food industries, in view of the present move upon the part of the Food and Drug Administration to establish standards on spray residues and use of food additives.

Minerals Production Sets Record in 1949

Mine production of minerals and metals in the United States during 1949 was the greatest in history, according to an analysis submitted by the Bureau of Mines to the Department of the Interior. The minerals tonnage had a value of $13,900,000,000, 11 percent below the peak year of 1948, and reflected a general continuation of high unit prices.

As a group, mineral fuels decreased 12 percent in value last year because of general industrial decline, work stoppages in the coal fields and a shift in the foreign trade balance. Yet, the volume of natural gas piped achieved an all-time high. Decreased oil output reversed a six-year upward trend. Other highlights of the report were as follows:—

"Nonmetallics was the only major mineral group that in 1949 equaled the 1948 production high. Demand for chemical industry minerals subsided a bit, but for fertilizer minerals remained strong. Metals dropped 15 percent in dollar output because of steel and smelter strikes and the break in prices of base metals. A notable exception was the increase in domestic lead output, a metal in short supply throughout the world.

Chemical Raw Materials

"In conformity with the lower rates of general industrial activity, output of the major chemical raw materials, sulphur, salt and lime, all of which reached new records in 1948, declined somewhat last year. A 31 percent decline in domestic shipments of fluorspar was due largely to an appreciable drop in consumption at steel plants as a consequence of the steel strike; proportionately greater imports, and heavy drafts on consumers' stocks.

"Supplies of soda ash for the first time in many years exceeded demand and consequently production of natural sodium carbonate declined sharply. Interest in lithium chemicals is increasing and several expansion programs are in progress.

"Although farm income declined last year, the demand for mineral fertilizers was not seriously affected. Shipments of both phosphate rock and potash were approximately as great as in 1948, despite a strike at potash mines in the last two months of the year. Since the war, expansion programs in the phosphate rock and potash industries have greatly increased capacity.

Coke and Coal Chemicals

Production of oven- and beehive-coke in 1949, estimated at 64,000,000 net tons, was 14 percent below the 1948 record. This substantial reduction in output was due principally to interruptions in coking operations resulting from work stoppages in the bituminous coal and steel industries. Initiation of the three-day week in the bituminous coal industry in July caused most of the beehive coke plants to cease operations. In spite of slightly higher unit prices on coke, the total value of coke produced, estimated at $815,000,000, was 12 percent lower than in 1948. The decrease in coke output necessarily reduced the output of coal chemicals; the realization from sales, estimated at $245,000,000, was 8 percent below the 1948 total.

Copper, Zinc and Lead

"Copper smelter output dropped during the second quarter of 1949. Some recovery was achieved by year end but not to the March-April production level, for there was no general resumption of the

—*Continued on page 53*

Animal, Fish Products, Pepper, Off Positive List

The Office of International Trade announced last week the removal of twenty-three items from the export control positive list, effective December 29. As a result, exporters may now ship the items in any quantity to any destination without a validated export license. Among the items were the following:—

Blood albumin, blood meal, bone scraps, dry blood solutions, liver meal, all under schedule B number 099998; bone meal, regardless of protein content, under schedule B number 118000; bone meal, fish meal for feed, meat meal, and tankage under schedule B number 119900; and unground pepper under schedule B number 154911.

Tung Oil 1949-50 Outlook Reviewed

The Office of Foreign Agricultural Relations last week expressed doubt that any more than 55,000 tons of tung oil would find its way out of China during the 1949-50 season, and even this figure may be lessened by the tendency to increase exports to the USSR.

China's 1949 tung oil production was estimated by the agency at 110,000 short tons, compared with 126,500 tons last year. On the basis of this latest production estimate, an exportable surplus in 1949-50 of 70,000 to 75,000 tons is indicated from this year's crop. Taken together with the carryover from 1948, it appears that supplies could be available to meet an export demand at the 1947-48 level of 93,239 tons.

"Due to transportation and marketing difficulties, however, it is doubtful that as much as 55,000 tons will move out in 1949-50," OFAR said. "The present tendency of increasing exports to the USSR may further reduce the availability of tung oil for other destinations, particularly under present conditions of low port stocks and slow arrivals.

Shanghai Stocks Estimated

"Stocks in Shanghai in early December were estimated at not more than 200 tons and Hankow had 200 or 300 tons. November stocks in Hong Kong were only about 400 tons, but October reports showed 2,750 tons in Chungking and 4,400 tons in Wanhsein. Difficulties with river shipping are the main obstacle in bringing these stocks out. River shipping normally improves somewhat in the Spring but lack of shipping space and the risk of air attack are still important factors in restricting future arrivals.

"Tung oil exports from China for 1948-49 are estimated at 57,000 tons of which 75 percent was shipped before the May changeover. Hong Kong has played the major role in the tung oil export trade since May. Shanghai's share of the exports from May through October was 1,742 tons, of which more than two-thirds went to the USSR.

"Tung oil recently sold in Shanghai for 24 cents per pound, basis delivered New York in drums, but shipping space is so difficult that even drum cargo must move in small volume. Bulk space is totally unavailable. Prices at Hong Kong increased from 90 Hong Kong dollars per picul (133⅓ pounds) at the beginning of the season to some 190 dollars in November. Further price increases are anticipated as stocks are about depleted and the prospects for future arrivals from the mainland remain dim."

Synthetic Fuels Pilot Plant to Close Jan. 6

The large gasification plant which has been operating at Library, Pa., for more than a year to speed up actual commercialization of the coal-to-gas-to-gasoline process will be closed January 6, it was announced last week by Pittsburgh Consolidated Coal Company and Standard Oil Development Company, joint operators of the plant.

Pittsburgh firm said the move is being made because commercial prospects of financing and building a large plant "are far less attractive" than when the work was started.

"To be successful," the coal firm announced, "a plant of the type we had planned would have to have cheap coal and complete assurance of a regular coal supply. Under present circumstances, the labor relations in the industry are so bad that none of these things are possible."

The Standard Oil subsidiary merely announced completion of successful tests at the plant and added that "with the return of a more normal increase in oil demand and with greatly increased world petroleum supplies, it now appears that the need for converting coal into oil is not pressing, thus allowing time for further, basic, small-scale research."

Chemical Firms Named Uranium Distributors

The Atomic Energy Commission has authorized nine chemical companies to market commerical uranium, produced and fabricated in the form of rods by the Mallinckrodt Chemical Works, St. Louis. The authorized distributors, in addition to Mallinckrodt, are Eimer & Amend and A. D. Mackay, New York; J. T. Baker Chemical Company, Phillipsburg, N. J.; Fisher Scientific Company, Pittsburgh; [illegible], Los Angeles; Braun-Knecht-Hermann Company, San Francisco, and Central Scientific Company and E. H. Sargent Company, Chicago.

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Newell Heads Crop Board

Appointment of S. R. Newell to become chairman of the Crop Reporting Board and assistant chief of the Bureau of Agricultural Economics, effective January 3, has been announced today by Secretary of Agriculture Charles F. Brannan. In his new position Mr. Newell will have charge of all agricultural or crop and livestock estimating sections of the BAE, includng the forty-one state statistitian's offices, many of whom work in cooperation with the state departments of agriculture.

Interlake Sells Liquid Resin Plant to Acme Resin

Interlake Chemical Corporation has sold its resin plant at Forest Park, Ill., to Acme Resin Corporation. Early in February liquid phenolic resins manufactured by the new management will be available.

President of the newly-formed Acme Resin Corporation is Myron T. Bennett, formerly vice-president in charge of sales for Interlake Chemical. Starting as a salesman for the New Jersey Zinc Company in 1926, Mr. Bennett served twenty years in that firm's Chicago and New York headquarters, rising to the position of manager of the pigment division. Later he was vice-president in charge of sales for United Carbon Company in Charleston, W. Va. Edgar Bourke is vice-president and treasurer of Acme Resin Corporation, and its secretary is Stephen A. Mitchell.

Heyden Has New Products

Heyden Chemical Corporation, New York, is offering four new products which it expects will be of interest as intermediates to the industrial and scientific fields. The products are benzilic acid and parabenzyl phenol, which are available commercially, and benzil and benzoin, which are offered in pilot plant quantities. Technical bulletins and samples are available from the company.

Retires from Phelps Dodge

Martin H. Crego, manager of sales of the Phelps Dodge Corporation, New York, retired on January 1 after fifty-seven years service. Mr. Crego started with the company in 1892 as an office boy and has been associated with its sales department for over forty years. He was tendered a farewell party by his associates on December 30, and presented with a gold wrist watch.

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ECA Announces Additional Procurement Authorizations

Among the new procurement authorizations issued to Marshall plan countries during the period December 23-28 by the Economic Cooperation Administration were the following:

To Austria — $875,000 for chemicals, $540,000 for medicinal preparations, $290,000 for industrial chemicals other than alcohol, $36,000 for hides and skins, $500,000 for nonmetallic minerals, $416,000 for copper, and $45,000 for alcohol, all from the United States; $228,000 for copper, $100,000 for nonmetallic minerals, and $250,000 for hides and skins, all from Canada; $950,000 for hides and skins and $100,000 for chemicals from Latin America.

To Belgium-Luxembourg — $2,286,000 for petroleum from the United States; $3,255,000 for nonferrous ores and concentrates from Canada, and $2,526,000 for petroleum from Latin America.

To France—$300,000 for alcohol from the United States and $164,000 for nonferrous ores and concentrates from Canada.

To Greece — $400,000 for tinplate, terneplate and black plate from the United States, and $414,000 for copper from Japan.

To Netherlands—$1,400,000 for tinplate, terneplate and black plate, and $21,000 for copper from the United States; $200,000 for hides and skins from Latin America.

To United Kingdom—$310,000 for copper from the United States and $335,000 for industrial chemicals other than alcohol from Canada.

Squibb Gets ECA Guaranty On British Investment

The signing of an industrial guaranty contract under which E. R. Squibb & Sons, New York, will be able to convert into dollars its receipts from an investment in the United Kingdom was announced December 28 by the Economic Cooperation Administration. Squibb plans an investment of $350,000 to begin the manufacture in the United Kingdom of several of its standard medicinal and pharmaceutical products, excluding cosmetics an toilet preparations.

The guaranty covers the investment of $350,000, plus an earnings increment of $262,500, or a total of $612,500. The investment is in the form of capital stock of a new wholly-owned subsidiary. The cash received for the stock will be used by the subsidiary for purchase of equipment in the United Kingdom and for working capital. The new British subsidiary expects to export also, and estimates that 95 percent of its annual volume will be shipped to other Marshall plan countries and their overseas territories as well as to sterling areas.

Thiosemicarbazide Price Reduced by Nat'l Biochemical

National Biochemical Company, Chicago, has announced price reductions on thiosemicarbazide, a new basic pharmaceutical material. The action was attributed to expanded production facilities now in operation. The firm is also manufacturing a derivative, p-methoxy-benzalthiosemicarbazone, known in the technical literature as Tb II for its anti-tuberculosis activity. Thiosemicarbazide, according to a company statement, also shows promise for use as a rodenticide which is relatively nontoxic to humans and which affects different species of rats approximately to the same degree.

Calif. Standard Elects Follis Board Chairman

H. D. Collier resigned his position as chairman of the board of directors of Standard Oil Company of California on December 31, but continued in his posts of director and chairman of the concern's finance committee. R. G. Follis, vice-chairman and former president, was elected by the board to succeed Mr. Collier as chairman. T. S. Petersen, elected to the presidency on January 8, 1948, will continue in that office.

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Acetyl ortho-cresotinic acid
Arachidic acid.
Behenic acid.
Cyclopentadiecn.
Lignoceric acid.
3-Nitro-4-hydroxyphenylarsonic acid.
Sodium thioantimoniate.

Cottonseed Oil Futures Trading Limitation Urged

The Commodity Exchange Authority recommended last week that future trading in soybeans, cottonseed oil, and eggs be limited much in the same manner that curbs now are imposed on speculative trading in grains and cotton.

Without detailing what limits should be imposed, J. M. Mehl, CEA administrator, in his annual report to the Secretary of Agriculture, said that the need for limits on speculation in these products is "urgent." He said that the speculative limits on grains and cotton have been effectively enforced and "similar limits" should be provided for speculative trading in eggs, soybeans, wool tops, and cottonseed oil.

"Large speculative holdings in egg futures have contributed to recurring difficulties in the Chicago egg futures market," Mr. Mehl's report stated. "Soybeans have now become one of the leading futures-trading commodities, with speculative activity at times exceeding that in wheat and corn. In wool tops, the hasty selling out of two large speculators was the principal factor in the sharp break in prices of that commodity last March."

In summarizing futures market activity for the year ending June 30, 1949, the report states that the basic picture for most commodities remained one of relatively large futures markets. Trading activity in wheat and cotton futures declined from the postwar peaks of 1947-48, but open contracts and hedging commitments in these and most other commodities did not change greatly, the CEA administrator reported. Activity in soybeans and lard on the Chicago Board of Trade, and in cottonseed oil on the New York Produce Exchange, were the largest on CEA records.

In nineteen commodities with trading under CEA supervision, total purchases and sales of futures in terms of contract units were estimated at 7,273,000 for the year. This was the second largest total in ten years, and compared with 8,863,000 purchases and sales in 1947-48, and 5,567,000 for ten-year period 1939-48.

The estimated dollar value of this trading was $33,445,512,000 in the year ended June 30, 1949, compared with the record of $49,452,153,000 in the previous year, and an average of $17,755,229,000 in the ten-year period 1939-48. The dollar value of trading for the recent year reflects a sharper decrease than the number of contracts because of the decline in the price level of most commodities.

Ferro Enamel Corp. Sells Metal Cleaners Business

The Ferro Enamel Corporation, Cleveland, Ohio, has transferred the manufacturing and distributing rights of its complete line of "Ferro" cleaning compounds to MacDermid, Inc., Waterbury, Conn.

The compounds will be manufactured by MacDermid at its plants in Cleveland, Chicago and Waterbury, with warehouse stocks also available in New York, Detroit and St. Louis. Technical representatives and servicemen are located in these and other industrial areas. The sale of "Ferro" metal cleaners will be through regular MacDermid distributors in the midwest and southern states, and through MacDermid representatives in the eastern states.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with OPD office:—

Asbestos, crude, spinning, shingle fiber, and paper stock, Hamburg, Germany (EY-1).
Asphalt, Tokyo, Japan (EY-2).
Milkpowder, Sao Paulo, Brazil (EY-5).
Oil seeds, Tokyo, Japan (EY-2)
Oleo oil, Antwerp, Belgium (EY-4).
Peanuts (for crushing) and crude peanut oil, Antwerp, Belgium (EY-4).
Soybeans and soybean oil, Antwerp, Belgium (EY-4).
Tallow, Antwerp, Belgium (EY-4)
Wood tar, Rotterdam, Holland (EY-3).

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods, recently compiled by the Commercial Intelligence division of the United States Department of Commerce, include the following, which are available from the division at $1 a list for any one country:—

Medicinal and toilet preparation importers, dealers—Libya.
Oil (animal, fish, vegetable) importers, dealers, producers, refiners—Paraguay.

Washington Talks It Over

By Ralph L. Cherry

Congress returns to its labors tomorrow for the opening of the second session, but primed more to develop the issues of the 1950 election campaigns than to effect any great legislative achievements. From advance warnings, it appears that the session might open with a filibuster and close with another.

The session bids to be a relatively short one—probably not extending beyond the statutory deadline of July 31. But during the seven-month period it can be expected to make many headlines out of the number of investigations that have been lined up on such subjects as monopolies, spreads in farm-consumer prices, lobbying, and international oil developments.

The first thing scheduled to come before the senate is the house-approved oleomargarin tax repeal bill. The dairy bloc is expected to filibuster the measure, although there is talk that the opposition is more perfunctory than anything else now that price support for butter has been made mandatory. January 20 the senate is expected to consider again the conference report on the O'Mahoney freight absorption bill.

Much scurrying around is looked for in the house relative to tax legislation, but nothing will be done until after the budget has been analyzed and probably not until after the March 15 tax returns are in. The appropriation bills for the regular departments and agencies of the government may all be done up in a single package in the interest of speedier passage, instead of separate bills for each department as has been the custom.

Antibiotics as Preservatives

An entirely new field of use may be opening up to antibiotics as a result of studies and experiments being carried on by scientists of the Department of Agriculture. Research is under way on the use of certain antibiotics in the canning and preservation of foods, and the results are promising.

In the tests, canned vegetables were sterilized by adding very small amounts of an antibiotic and then giving the sealed cans a relatively mild heat treatment. This procedure proved as effective for destroying bacteria and other food-spoiling organisms as conventional canning methods which require more severe cooking.

In most of the tests so far, the antibiotic used was subtilin, a discovery of the Western Regional Laboratory. This substance is produced in submerged fermentation by one strain of a facterium *(Bacillus subtilis)*, which occurs widely in nature and normally exists in many food products. The laboratory scientists also had promising results in limited experiments with aureomycin, chloromycetin, and lupulon. The latter is an antibiotic recently isolated from hops by researchers at the Western Laboratory.

Dr. G. E. Hilbert, chief of the Bureau of Agricultural and Industrial Chemistry, states that the process is still experimental and several years of work lie ahead in proving its merits and shortcomings—including the important question of whether the antibiotics are toxic to man. But, if further trials confirm preliminary findings, it appears that the canning industry is facing some major changes in its processing operations, and the antibiotics producers of the drug industry a vast new outlet for their products.

Technical Data Embargo

The Office of International Trade has taken steps to impose an absolute ban on shipments of unclassified technical data of an advanced nature significant to the national security. Authority to impose the ban was taken for itself by OIT in an amendment to the voluntary plan to control exports of technical data.

The voluntary control was announced by the agency several weeks ago. It is designed to fill that need for some federal guidance which industry often seeks as to whether this or that technical data, though unclassified, might be important to the national security and should not be broadcast wholesale; for example, such things as advanced technical developments, technologic information and know-how, including prototypes and special installations.

OIT says that it intends to use its power of mandatory ban on shipments of such data sparingly—in exceptional cases, is the way the announcement described it. Exporters will be officially notified when it has been determined that exports of technical data covered by the plan are prohibited, it is added.

Radioactives a Health Hazard

Radioactive substances are becoming so widespread and commonplace that USPHS deems them a potential health hazard which merits the development of a special control program. A new unit is being set up in the agency to develop the program, under the direction of Dr. Edwin G. Williams, a Public Health Service medical director.

The new unit—known as the Radiological Health Branch—will correlate radiological health activities in the Public Health Service, develop a training program in radiological health for service officers and other public health workers, and act as a source of information on radiological health for other units of the service, for other federal agencies, and for state and local health agencies.

The recent rapid increase in the use of radioactive materials and radiation-producing machines in hospitals, industry, experimental laboratories, and other places throughout the country has made the need for a program of control of potential radiation hazards one of first consideration. The Atomic Energy Commission also has just authored a booklet on handling radioactive wastes that sets forth some of the dangers to health and how to avoid them.

Employment Unbalance Impends

If the Labor department's chief analyst, Louis Levine, is correct in his prognostications, the nation is in for a seemingly paradoxical situation for the next few years. Mr. Levine is predicting an increase in both employment and unemployment for the next several years.

How does he account for this? Mr. Levine points out that, despite death, retirement, marriage, and other events which annually remove thousands of workers from the active labor forces, our working population each year is growing by some 600,000 persons. In addition, he notes that worker productivity increases at the annual rate of 2 or 3 percent, making fewer workers necessary to maintain or even increase production.

Total employment will increase, he believes, because industry will continue to expand. But, while industry expansion means increased employment, the new jobs available will not be sufficient to absorb all the new workers coming into the market, thus, he says, we are faced with the situation of a rise in both employment and unemployment.

Samples for Government Bids

Several inquiries have been received by the Federal Supply Service of the General Services Administration relating to the submission of samples in connection with bidding for business. The following explanation should clear up misunderstandings and indicate necessary rules:—

If the invitation-to-bid calls for a sample, a sample must be submitted within the time limit indicated (usually before the bid opening), or the bid itself may be disallowed. Samples should be securely packed and clearly marked and dispatched postpaid to the destination indicated in the bid instructions.

The government exercises every reasonable precaution in the care of samples which are to be returned. Samples remain the property of the bidder, and are re-

—Continued on page 32

NYQ Vice-President

R. P. Neptun has been elected vice-president in charge of field sales of the New York Quinine & Chemical Works, Inc., Brooklyn, N. Y. He also continues as field sales manager of S. B. Penick & Co., New York, a position he has occupied since 1944.

Huisking Celebrates Fortieth Anniversary

Chas. L. Huisking & Co., importer and exporter of drugs, chemicals, essential oils and raw materials and manufacturers' sales agent, New York, celebrated its fortieth anniversary yesterday. In a letter and price list mailed to all its customers, the company briefly reviewed its past history and expressed a confident view that there is a good prospect for future peace and prosperity.

Charles L. Huisking, founder of the company, started in the drug business as an office boy in the office of Thomas M. Curtius, a drug broker at 1-B Platt street,

Charles L. Huisking

New York, in 1898. On January 1, 1910, at the age of twenty-five, Mr. Huisking opened his own drug brokerage at 3 Burling Slip. Three years later his offices were moved to 5 Platt street.

In 1917 the business was incorporated as Chas. L. Huisking, Inc., with Mr. Huisking as president; his brothers, George P. and Joseph A., as secretary and vice-

—Continued on page 43

U.S. Rubber Purchases Martin Chemicals Div.

United States Rubber Company has purchased the chemicals division of the Glenn L. Martin Company, according to a joint announcement made by the two companies on December 27. The rubber company will acquire all assets of the division, including the "Marvinol" vinyl resin plant at Painesville, Ohio, laboratory equipment in Baltimore, patents and the trade name "Marvinol."

The business will become a part of the Naugatuck Chemical division of the rubber company. The Painesville plant will continue to make "Marvinol" vinyl resin for sale to manufacturers of plastic products. United States Rubber Company said the purchase is part of a long-range program to expand its activities in the chemical field.

The present management at Painesville will continue in charge, and employees on the Martin payroll will be transferred to the rubber company's payroll, it was announced. The operation includes about sixty-five employees in Baltimore connected with research and development, sales and technical service. It is planned to transfer Baltimore personnel to the Naugatuck Chemical plant, Naugatuck, Conn., this year.

Resinous Products Has New Ion Exchange Process

Extraordinarily pure water, containing less than one part of ionic solids per 100 million parts of water, can now be produced by simple passage through a mixed bed of "Amberlite" ion exchange resins, according to the Resinous Products Division of Rohm & Haas Company. The new technique permits complete removal of inorganic salts without deviation from chemical neutrality, the division claims.

Mixed-bed systems are being used for the de-ashing of carbohydrate solutions, purification of whey, and fractionation of human blood serum, the division added. Further uses for this new technique are being investigated in such varied fields as agriculture, sanitation, textiles, petroleum refining, brewing and the manufacture of cosmetics. Water equivalent in ionic purity to a triple-distilled product, as delivered by this technique, is regarded by the division as entirely suitable for the rinsing operations employed in electroplating automobile accessories, in manufacturing photographic film, and in preparing mirrors for silvering.

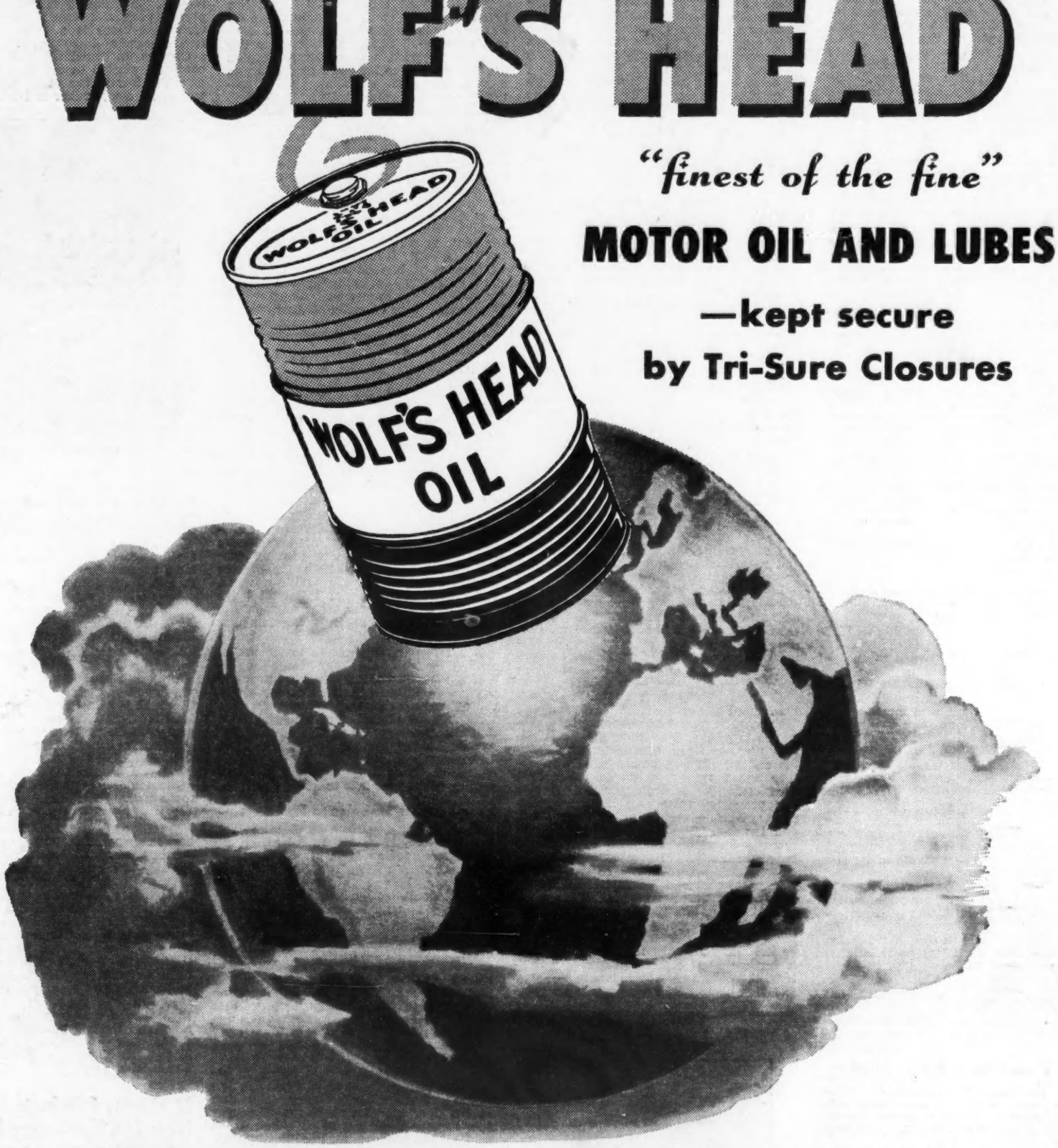
THERE CAN BE NO TAMPERING WITH

WOLF'S HEAD

"finest of the fine"

MOTOR OIL AND LUBES

—kept secure by Tri-Sure Closures



"Wolf's Head Oil and Lubes are accepted throughout the world as the 'finest of the fine.' When put in drums, they are sealed at the factory with the world's finest closure—Tri-Sure.* To protect Wolf's Head from any tampering, substitution and pilferage, Tri-Sure Closures provide the most reliable safeguard ever developed." **

*The "Tri-Sure" Trademark is a mark of reliability backed by 27 years serving industry. It tells your customers that genuine Tri-Sure flanges (inserted with genuine Tri-Sure dies), plugs and seals have been used.

Tri-Sure
Reg. U. S. Pat. Off.
CLOSURES

**From a letter written by the Wolf's Head Oil Refining Co., Oil City, Pa. This statement exemplifies the experience of America's leading drum users – and why they specify "Tri-Sure Closures" when they order drums.

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

TRI-SURE PRODUCTS LIMITED, ST. CATHARINES, ONTARIO, CANADA

Association Meetings

Affiliated Drug Stores, New Yorker hotel, New York, March 19-21.
American Association of Candy Technologists, annual production conference, Bethlehem, Pa., April 27.
American Gas Association, Atlantic City, October 2-6.
American Geophysical Union, Washington, May 1-4.
American Drug Manufacturers Association, research and development section, Cleveland hotel, Cleveland, February 6-7; annual meeting Boca Raton Club, Boca Raton, Fla., March 27-30.
American Management Association, national packaging exposition, Navy Pier, Chicago, April 24-27.
American Meteorological Society, St. Louis, Mo., January 3-6.
American Pharmaceutical Association, Traymore hotel, Atlantic City, April 30-May 5.
American Pharmaceutical Manufacturers Association, eastern section, Roosevelt hotel, New York, February 13-15; midwestern section, Edgewater Beach hotel, Chicago, February 23-25; western section, Biltmore hotel, Los Angeles, March 2-4; annual meeting, Broadmoor hotel, Colorado Springs, Colo., May 29-31.
American Society for Testing Materials, William Penn hotel, Pittsburgh, February 27-March 2.
American Spice Trade Association, Shawnee Inn, Shawnee-on-Delaware, Pa., May 21-24.
American Water Works Association, Convention Hall, Philadelphia, May 21-26.
Associated Chain Drug Stores, New Yorker hotel, New York, September 24-27.
Association of American Soap and Glycerine Producers, Plaza hotel, New York, January 25-26
Canadian Gas Association, Manoir Richelieu hotel, Murray Bay, Quebec, June 19-24.
Chemical Market Research Association, Statler hotel, Detroit, February 2.
Chemical Specialties Manufacturers Association (formerly National Association of Insecticide and Disinfectant Manufacturers), Drake hotel, Chicago, June 12-13.
Compressed Gas Association, Waldorf-Astoria hotel, New York, January 23-24.
Drug, Chemical and Allied Trades Section, New York Board of Trade, annual dinner, Waldorf-Astoria hotel, New York, March 9; annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 21-23.
Druggists Supply Corporation, Statler hotel, New York, March 6-10.
Essential Oil Association, Plaza hotel, January 6.
Federal Wholesale Druggists Association, Statler hotel, New York, March 15-14.
Flavoring Extract Manufacturers Association, Traymore hotel, Atlantic City, N. J., May 7-10.
Institute of Food Technologists, decennial conference, Edgewater Beach hotel, Chicago, May 21-25.
Liquefied Petroleum Gas Association, Palmer House, Chicago, May 7-13.
Metal Powder Show, Book-Cadillac hotel, Detroit, Mich., April 25-26.
National Association of Chain Drug Stores, Hollywood Beach hotel, Hollywood, Fla., April 11-14.
National Butane-Propane Association, Congress hotel, Chicago, September 18-20.
National Confectioners Association, Waldorf-Astoria hotel, New York, June 4-9.
National Cotton Council, Peabody hotel, Memphis, Tenn., January 23-24.
National Petroleum Association, Cleveland hotel, Cleveland, April 12-14.
National Plastics Show, Navy Pier, Chicago, March 28-31.
National Safety Congress, Chicago, October 16-20.
National Wholesale Druggists Association, Waldorf-Astoria hotel, New York, September 16-21.
Natural Gasoline Association of America, Texas hotel, Fort Worth, Tex., April 24-26.
Northeastern Weed Control Conference, New Yorker hotel, New York, January 3-5.
Proprietary Association, Greenbrier hotel, White Sulphur Springs, W. Va., May 25-27.
Salesmen's Association of the American Chemical Industry, Roosevelt hotel, New York, January 26.
Society of Plastics Engineers, Carter hotel, Cleveland, Ohio, January 11-13.
Society of the Plastics Industry (Canada), Royal York hotel, Toronto, February 13-14.
Southern Paint and Varnish Production Club, Peabody hotel, Memphis, Tenn., March 8-10.
Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, January 11.
Toilet Goods Association, annual meeting, Waldorf-Astoria hotel, New York, May 16-18.
United States Pharmacopoeia convention, Statler hotel, Washington, May 9-10.

Johnson Assumes AEC Raw Materials Position

The Atomic Energy Commission has appointed Jesse C. Johnson manager of its raw materials operations office, to succeed Dr. John K. Gustafson, who resigned at the end of the two-year period he had agreed to serve. Dr. Gustafson will become consulting geologist for the M. A. Hanna Company, Cleveland. Mr. Johnson was formerly deputy manager of the office.

NFTC Meets Oct. 30-Nov. 1

The thirty-seventh national foreign trade convention, sponsored by the National Foreign Trade Council, will be held at the Waldorf-Astoria hotel, New York, on October 30 to November 1.

Alcohol Use Data Reported

The alcohol tax unit of the Bureau of Internal Revenue has issued statistics on the uses of specially denatured alcohol during the fiscal year ended June 30, 1949. The data, in wine gallons, are as follows:—

	Quantity new alcohol used[1]	Quantity recovered alcohol used[2]	Quantity alcohol recovered for use
Specially Denatured Alcohol Used as a Solvent:			
Cellulose, resin, and related products:			
Lacquers, varnishes, and enamels:			
Cellulose	534,810	308,731	355,666
Synthetic resin (with or without natural resins but containing no cellulose compounds)	410,894	4,242	101
Shellac (containing no cellulose or synthetic resins)	2,294,819	.....	.....
Other natural resins (containing no cellulose, synthetic resin, or shellac)	174,632	.....	.....
Candy glazes	100,056	.....	.....
Other coatings	12,451	30,693	.....
Total	3,527,662	343,666	355,767
Plastics:			
Cellulose compounds	334,759	202,421	168,020
All other plastics (containing no cellulose)	2,861,915	1,094,164	1,086,881
Total	3,196,674	1,296,585	1,254,901
Photographic film including emulsions)	206,288	690,743	206,000
Transparent sheeting	147,574	919,261	1,016,672
Cellulose intermediates	34,240	.....	.....
Explosives	107,866	688,062	621,433
Polishes	24,421	.....	.....
Adhesives	50,450	.....	.....
Soldering flux	58,346	.....	.....
Inks, stains, and dye solutions (containing no cellulose or resins)	101,519	.....	.....
Total cellulose, resin, and related products	7,455,040	3,938,317	2,773
Solvents and thinners for cellulose, shellac, resin products, etc.:			
Proprietary solvents	18,648,380	.....	.....
Other industrial thinners	297,618	9,925	.....
Total	18,945,998	9,925	.....
Toilet preparations:			
Hair and scalp preparations	1,057,538	115	.....
Shampoos	448,476	.....	.....
Bay rum	139,695	.....	.....
Face and hand lotions	1,212,174	.....	.....
Body deodorants	162,170	.....	.....
Toilet waters	1,596,913	.....	.....
Perfume and perfume tinctures	100,574	.....	.....
Toilet soaps (including shaving creams)	24,841	.....	.....
Mouth washes and oral antiseptics	836,417	.....	.....
Tooth cleaning preparations	24,413	.....	.....
Total	5,573,211	115	.....
Processing industrial, food, drug and other products:[3]			
Nitrocellulose (dehydration)	4,020,822	18,123,845	18,789,041
Sodium hydrosulphite	318,383	12,670,330	12,592,920
Wood rosin and synthetic resins	1,141,655	23,019,391	23,011,544
Petroleum oils	631,713	7,150,011	7,188,806
Food products other than pectin	14,464	16,957	13,687
Drug products:			
Drug extracts	171,943	809,444	803,911
Glandular products, vitamins, and serum albumin	1,185,526	9,590,108	9,681,334
Medicinal chemicals	699,617	2,626,044	2,630,129
Miscellaneous (including pill and tablet manufacture)	85,137	177,000	170,579
Dyes and intermediates	659,379	360,262	550,449
Perfume materials and fixatives	37,842	73,461	73,020
Photographic developers	65,411	50	.....
Miscellaneous chemicals	758,541	2,048,202	2,532,595
Miscellaneous	144,725	1,695,080	1,605,405
Total	9,935,158	78,360,185	79,663,420
Pharmaceutical products for external use:			
Rubbing alcohol	2,427,216	.....	.....
USP and NF preparations:			
Witch hazel	112,616	.....	.....
Liniments	84,392	.....	.....
Collodions	25,112	.....	.....
Antiseptics	3,765	.....	.....
Miscellaneous	23,685	.....	.....
Total	249,570	.....	.....
Tinctures of iodine (official and non-official)	35,645	.....	.....
Other preparations not USP or NF	402,994	12	32
Total pharmaceutical products for external use	3,115,425	12	32
Cleaning, preserving and flavoring preparations:			
Tobacco sprays and flavors	727,674	.....	.....
Cleaning preparations (including cleaning operations)	138,819	2,957	13,142
Deodorant sprays (non-body)	61,098	92	91
Disinfectants, insecticides, etc	56,592	1,876	.....
Sterilizing and preserving solutions	35,252	.....	.....
Embalming fluids and related products	16,458	.....	.....
Industrial soaps	102,139	516	516
Photoengraving and rotogravure use	82,764	.....	.....
Miscellaneous	199,246	237	.....
Total	1,420,042	5,688	13,749
Specially Denatured Alcohol Used as a Raw Material in Production of Other Chemicals:[4]			
Vinegar	3,970,594	.....	.....
Acetic acid	3,254,210	.....	.....
Ethyl acetate	5,326,388	880,378	602,943
Ethyl chloride	10,173,571	55,670	118,952
Other ethyl esters	2,737,161	1,143,799	1,531,337
Dyes and intermediates	95,916	239,557	31,545
Aldehydes	68,253,434	17,889,355	17,878,655
Ether, ethyl	1,033,202	19,498	.....
Ethers, glycol and other	1,909,170	12,550,202	12,552,002
Drugs and medicinal chemicals	19,897	152,933	153,023
Xanthates	414,179	.....	.....
Fulminate of mercury	23,049	.....	.....
Ethylene gas	47,693	.....	.....
Synthetic rubber	1,427,757	.....	.....
Rubber accelerators	609,895	.....	.....
Miscellaneous	2,403,031	1,878,046	1,864,102
Total	101,699,107	34,809,438	34,731,859
Specially Denatured Alcohol Used as a Fluid:			
Anti-freeze	54	.....	.....
Brake fluids	180	.....	.....
Cutting oils	20,659	4,194	.....
Other fluid uses (including door checks)	73,946	8,751	4,767
Total	94,839	12,945	4,767
Specially Denatured Alcohol Used as a Fuel:			
Motor fuel	750	.....	.....
Airplane fuel	150,511	.....	.....
Other fuel uses	190,754	.....	.....
Total	342,015	.....	.....
Specially Denatured Alcohol Used for Laboratory and Experimental purposes	418,664	22,414	20,379
Grand total	148,999,499	117,159,039	117,888,979

[1] Represents quantity of alcohol used for the first time, whether or not any quantity is subsequently recovered.
[2] Represents quantity of alcohol reused after recovery from processes where the alcohol has not become a part of the finished products. Such alcohol may have been recovered during the fiscal year 1949 or prior thereto and from any of the listed processes.
[3] Prior to 1949 included quantity used in manufacture of pectin. None used during fiscal year 1949.
[4] Prior to 1949 included quantity used in manufacture of ethylene dibromide. None used during fiscal year 1949.

Centro Appoints Rinse As Associate Director

Centro Research Laboratories, Briarcliff, N. Y., has appointed Dr. Jacobus Rinse associate director. Dr. Rinse was formerly chemical director of Chemisch Technisch Aviesbureau, Haarlem, Holland, which he helped found in 1938. Centro Research Laboratories and C.T.A.B. have been associated in a number of research projects over the past two years, and Dr. Rinse will continue to act as codirector of C.T.A.B.

Victor Names Saaby

Victor Chemical Works, Chicago, Ill., has appointed Walter N. Saaby director of traffic and has elevated the traffic department to an equal status with other operating departments. Mr. Saaby joined the company in 1929 as assistant manager of the traffic department in 1929, and was appointed traffic manager in 1947.

Farmer Cooperatives Meeting To Hear Agricultural Talks

Nationally-known specialists in various fields of agriculture are scheduled to appear at a series of special conferences to be held during the opening day of the twenty-first annual meeting of the National Council of Farmer Cooperatives at Chicago, January 9-12.

Speakers already scheduled for these conferences include:—Dr. W. A. Albrecht, professor of soils at the University of Missouri, who will discuss the "Effect of Soil Deficiencies on National Health" before the fertilizer conference; W. C. Schroeder, Office of Synthetic Liquid Fuels, Department of Interior, Washington, who will discuss "Crude Oil Supply and Its Relation to a National Synthetic Fuels Program" at the petroleum conference, and, L. G. Porter, Production and Marketing Administration, who will talk on "The Fertilizer Supply Outlook" at the fertilizer conference.

Otto Retires After 38 Years with Chas. Pfizer

Elmer C. Otto, vice-president of Chas. Pfizer & Co., Brooklyn, N. Y., retired on January 1 after forty-four years in the chemical field. Mr. Otto had been actively

Elmer C. Otto

associated with the Pfizer organization for thirty-eight years.

He joined Pfizer in 1912, and, after sixteen years of sales work in the midwestern and Pacific coast areas, was named sales manager in 1928 and tranferred to the company's New York headquarters. In 1932 he was elected a director of the company, and became its secretary in 1934. He was elected a vice-president in 1945.

Standard Oil Development Produces New Fungicide

Development of a new agricultural fungicide which is said to be exceptionally effective against a large variety of fungus diseases attacking fruits, vegetable crops, and certain plants has been announced by the Standard Oil Development Company, central research organization of Standard Oil Company (N. J.).

Discovered by the company's Esso Laboratories at Linden, N. J., the fungicide is designated "SR-406." Tests are said to have shown "SR-406" to have a promising control of a wide variety of diseases, including those afflicting apples, peaches, cherries, celery, tomatoes, potatoes, carrots, chrysanthemums, carnations and roses.

The new fungicide is a white, odorless and tasteless powder containing chemically combined chlorine, nitrogen and sulphur, in addition to carbon, hydrogen and oxygen. An average effective dosage, the company said, appears to be about one pound of active fungicide for 100 gallons of spray.

APMA Central Section To Meet February 23-25

Central sectional meetings of the American Pharmaceutical Manufacturers Association will be held at the Edgewater Beach hotel, Chicago, on February 23 to 25. The scientific section will meet on February 23 and the medical section will hold its meeting in the evening on the same day. The production section will meet on February 24 and the sales and advertising section on February 25.

ADMA Research Section Plans February Meeting

The research and development section of the American Drug Manufacturers Association will meet at the Cleveland hotel, Cleveland, Ohio, on February 6 and 7. On the first day there will be a general session to consider topics of broad interest in the morning and separate meetings of committees in the afternoon. The committee meetings will also be held in the morning of February 7 and there will be a second general session in the afternoon.

Shaw Retires from Hercules

John S. Shaw, director of safety of the Hercules Powder Company, Wilmington, Del., retired on January 1. Mr. Shaw joined the Hercules organization in 1913 after seven years in the production of explosives and acids for the old Du Pont Company. He was named superintendent of the Hercules plant at Parlin, N. J., in 1917, was named manager of the safety and service department in 1925, and received the title of director of safety in 1941.

THE MOST IMPORTANT VITAMIN B_1 NEWS SINCE 1936

Thiamine Mononitrate Merck

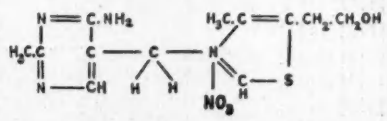
(Vitamin B_1 Mononitrate)

–A MORE STABLE FORM OF VITAMIN B_1

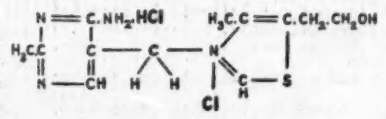
IMPORTANT TO ALL MANUFACTURERS OF VITAMIN PRODUCTS

Thiamine Mononitrate Merck, a new and improved form of thiamine, is ready for immediate shipment. Here is the most important development in thiamine research since 1936—when Merck first announced the synthesis of Vitamin B_1. In terms of your own product, Thiamine Mononitrate Merck offers the long-sought-for advantage of better thiamine stability in B complex and multivitamin tablets and capsules.

Studies show that Thiamine Mononitrate Merck, mixed with other vitamins, remains more stable over extended periods of time than does thiamine hydrochloride. With this improved form of thiamine, the vitamin B_1 content of your tablets and capsules should be retained more completely and the decomposition rate of other vitamins present correspondingly decreased.



THIAMINE MONONITRATE MERCK



THIAMINE HYDROCHLORIDE U.S.P.

$C_{12}H_{17}N_5O_4S$	EMPIRICAL FORMULA	$C_{12}H_{17}ClN_4OS.HCl$
327.36	MOLECULAR WEIGHT	337.27
below 1%	MOISTURE CONTENT	below 5%

Your requests for further information are cordially invited and will receive prompt attention.

MERCK & CO., Inc. *Manufacturing Chemists*
RAHWAY, N. J.

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New York, N. Y. • Philadelphia, Pa. • St. Louis, Mo. • Elkton, Va.
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Thiamine Mononitrate Merck

Current Market Quotations

Chemicals and Related Materials

December 30, 1949

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

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A

Acacia (see Gum, arabic).
Acenaphthene, m.p. below 92.5 C., dms., works lb. 40 - —
above 92.5 C, dms., works lb. 50 - —
Acetaldehyde, 99%, dms., c.l., works lb. .11½- .12½
l.c.l., works lb. .12 - .13
tanks, works lb. .09½- .10½
Acetaldol (see Aldol).
Acetamide, tech., fib., dms lb. .45 - —
Acetanilide, tech., bbls., c.l., dlvd. or frt. equald lb. .22 - —
l.c.l., ton lots lb. .23 - —
smaller lots lb. .26 - —
USP, bbls., 2,000-lb. lots lb. 50 - —
smaller lots lb. 56 - —
Acetic anhydride, dms., c.l., frt. alld. lb. .13 - —
l.c.l., frt alld. E lb. .14½ - —
tanks, frt. alld. E lb. .11½ - —
Acetoacetanilide, bbls., dlvd lb. 67½ - —
fib. dms., c.l., dlvd lb. 66½ - —
l.c.l., dlvd lb. 67½ - —
Acetoacetorthoanisidide, fib. dms., works, 500 lbs. or more lb. 1.50 - —
smaller lots, same basis lb 1.75 - —
Acetoacetorthochloranilide, bbls., dlvd lb. 1.15 - —
fib dms., c.l., works lb. 1.14 - —
l.c.l., works lb. 1.15 - —
Acetoacetorthotoluidide, bbls., dlvd lb. 90 - —
fib. dms., c.l., works lb. 71 - —
l.c.l lb. .72 - .78
Acetone, CP, dms., c.l., dlvd lb. .09 - —
l.c.l., dlvd lb. .09½ - .10
tanks, dlvd lb. 07½ - —
Methyl (see M).
Acetonitrile, dms., c.l., works lb. 43 - —
l.c.l., works lb. 45 - —
Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 1.33
Acetophenone, cns., dms lb. 1.30 1.85
tech., l.c.l., dms., works lb. 75 —
Acetoacetoparaphenetidide, dms., 500 lbs. or more, works. lb. 1.65 —
smaller lots, same basis lb 1.90 - —
Acetyl chloride, cbys., works lb. 50 60
Acetyltributyl citrate, dms lb. 43 45
smaller pkgs lb. 48 54
Acetyltriethyl citrate, dms lb. 36 38
smaller pkgs lb. 41 47
Acid, abietic, com'l, dms., c.l., works lb. .10 - —
l.c.l., works lb. .1145- —
cryst., dms., c.l., works lb. .05½- —
l.c.l., works lb. .06 - .06½
Acetic, com'l or redist., 28%, bbls. 100 lbs. 4.00 —
56%, bbls 100 lbs. 7.00 - —
70%, bbls 100 lbs. 8.40 - —
80%, bbls 100 lbs. 9.40 - —
glacial, synthetic, CP, dms., works 100 lbs. 13.00 —
cbys., works 100 lbs. 18.00 - 22.00
USP, cbys., works 100 lbs. 13.50 - 17.50
tech., dms., c.l., works 100 lbs. 9.00 - 9.50
l.c.l., works 100 lbs. 9.50 - 10.00
tanks, works 100 lbs. 7.50 —

Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c. per 100 lbs. higher

Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. 53 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls. same basis. lb. 48 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aconitic, 5,000 lbs. 1 shipt., dms. lb. 49 —
smaller lots, dms lb. 49½- .54½
Adipic, fib. dms., works lb. .26½ —
Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 1.75
Anthranilic, resub., bbls lb. 2.10 —
tech., bbls. lb. 1.05 1.10
Arsenous, tech (see Arsenic, white).
USP (see Arsenic trioxide).
Ascorbic, USP, dms., 500-kilo lots. kilo. 24.50 - —
25-50 kilo lots kilo. 25.00 - —
10-kilo lots kilo. 25.35 - —
5-kilo lots kilo. 25.70 - —
bots., kilo lots kilo. 26.41 - —
500 grams kilo. 27.47 - —
Battery, cbys., c.l., E. works. 100 lbs. 1.60 1.75
l.c.l., E. works 100 lbs. 2.15 2.65
Benzoic, tech., bbls., dms., 100 lbs. or more lb. 43 - —
USP, bbls., dms., 100 lbs. up lb. .54 - —
Betaoxynaphthoic, bbls., works lb. 1.23 - —
Boric, tech., 99½%, cryst., bgs., c.l., works ton. 115.25 - —
ton lots, ex whse, N. Y. or Chi ton. 160.00 - —
less ton lots, same basis. ton. 165.00 - —
bbls., c.l., works ton. 135.25 - —
ton lots, ex whse., N. Y. or Chi ton. 180.00 - —
less ton lots, same basis. ton. 185.00 - —
bulk, c.l., works ton. 111.75 - —
gran., bgs., c.l., works ton. 90.25 - —
ton lots, ex whse., N. Y. or Chi ton. 135.00 - —
less ton lots, same basis. ton. 140.00 - —
bbls, c.l., works ton. 110.25 - —
ton lots, ex whse., N. Y. or Chi ton. 155.00 - —
less ton lots, same basis. ton. 160.00 - —
Acid, basic, tech., 99½%, gran., bulk, c.l., works ton. 86.75 - —
powd., bgs., c.l., works ton. 95.25 - —
ton lots ex whse., N. Y. or Chi ton. 140.00 —
less ton lots, same basis ton. 145.00 - —
bbls., c.l. works ton. 115.25 - —
ton lots, ex whse., N. Y. or Chi ton. 160.00 —
less ton lots, same basis. ton. 165.00 - —
bulk, c.l., works ton. 91.75 - —
USP $25 per ton higher
Broener's, bbls lb 1.34 - —
Butyric, 99%, dms., c.l., works. lb. .34½- —
l.c.l., works lb .35 - —
tankcars, works lb .33 —
Cacodylic, bots. lb. 10.00 -11.00
Camphoric, natural, dms lb. 5.00 - 5.65
synth., dms lb. 4.00 - 4.75
Capric, tech., dms lb. .50 .50½
Caprylic, 99% dms lb. .50 .50½
Castor oil, split, dms lb. 21 22
Chlorosulphonic, dms., c.l., works. lb. .03 —
l.c.l., works lb. .03½ .04½
tanks, works lb. .02½ —
Chromic, 99½-99¾%, dms., c.l. works lb. .25½ —
l.c.l., works lb. .26 .27
USP (see Chromium trioxide).
Cinnamic, refd., bots lb 2.50 4.00
Citric, anhyd., gran., fine gran., dms., c.l. lb. .26½ —
10,000 lbs., 1 ship't lb .27 - —
smaller lots lb. .27½- —
kgs. lb. .28½ - —
Anhydrous citric acid powder, ½c. per lb. higher
USP, cryst., dms., c.l. lb. .27½- —
10,000 lbs., 1 ship't lb .28 - —
smaller lots lb .28½- —
kgs. lb. .29½- —
gran., fine gran., dms., c.l. lb. .24½- —
10,000 lbs., 1 ship't lb .25 - —
smaller lots lb .25½ - —
kgs. lb. .26½- —
USP citric acid powder ½c. per lb. higher.
Cleve's, mixed, bbls lb. .65 .66
Coconut oil, dist., dms lb. .22¼- .23¼
double dist., dms lb. .24¼- .25¼
Corn oil, s.d., dms lb. .09¼- .10¼
Cottonseed oil, dist., dms lb. .09¼- .10¼
Cresylic, dom., coaltar, 50% above 207°C, non-ret. dms., c.l., frt. equald gal. .91 - —
l.c.l., non-ret. dms., same basis gal. .94 - —
ret. dms. c.l., same basis lb. .88 - —
l.c.l., same basis lb. .91 - —
Acid, cresylic, dom., coaltar, 50% tanks, same basis gal. .80 - —
50% at 204° to 207° C, c.l., non-ret. dms., same basis gal. .96 - —
l.c.l., same basis gal. .99 - —
ret, dms., c.l., same basis. lb. .93 - —
l.c.l., same basis lb. .96 - —
tanks, same basis gal. .85 - —
petroleum, 179°C. to 198°C., non-ret. dms., c.l., San Francisco and Los Angeles gal. .85½- —
l.c.l., same basis gal. .87½- .89½
tanks, same basis gal. .75 - —
195° to 213° C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .70½- —
l.c.l., same basis gal. .72½- .74½
tanks, same basis gal. .60 - —
200° to 222° C, tanks, Wilmington, Cal gal. .60 - —
211°C to 236°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .65½- —
l.c.l., same basis gal. .67½- .69½
tanks, same basis gal. .53 - —
220° to 242° C, tanks, Wilmington, Cal gal. .55 - .58
237°C to 265°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .60½- —
l.c.l., same basis gal. .62½- .64½
tanks, same basis gal. .50 - —
245° to 298° C, tanks, Wilmington, Cal gal. .50 - —
295° to 325° C, tanks, Wilmington, Cal gal. .40 - —
Crotonic, fib dms., works lb. .29 - —
Cyanoacetic, tech., bbls lb. .90 - 1.25
Desoxycholic lb. 17.00 - 22.00
Dichlorophenoxyacetic, (see "D", 2, 4-D)
Diethylbarbituric (see Barbital).
Diglycolic, bgs., works lb. .23 - —
Ethylhexoic, dms., c.l., works lb. .31 - —
l.c.l., works lb. .31½- —
tanks, works lb. .29½- —
F, bbls., works lb. 1.87 - 1.93
Folic, bots., fib. ctns., kilo or more gram. 2.00 - —
Formic, 85%, cbys., c.l., works lb. .13 - .13½
l.c.l., works lb. .13½- .14
90%, cbys., c.l., works lb. .13½- .14
l.c.l., works lb. .14 - .14½
Fumaric, tech., bbls., dms lb. .30 - .31
Gallic, NF V, bbls., 1,000-lb. lots lb. 1.60 - —
smaller lots lb. 1.63 1.68
technical, bbls., 1,000 lb. lots lb. 1.43 —
smaller lots lb. 1.46 - 1.48
Gamma, bbls lb. 1.20 - —
Acid, gluconic, tech., 50%, bots lb. .23 - .31
dms lb. .14 —
kgs. lb. .16 —
Glutamic, laevo, 99%, fiber dms., 100 lb lots, works lb. 2.30 2.40
25 lb. lots lb. 2.45 —
Glycerophosphoric, 35%, dms., works lb. 2.15 2.25
Glycolic (see Acid, hydroxyacetic).
H, 100% basis, bbls., works lb. .73½ —
Hydriodic, 45-47%, cbys lb 2.69 —
57%, cbys lb. 2.83 2.85
Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .38 —
tech., 48%, cbys., dlvd. E lb. .34 .36
34% chys., dlvd E lb. .35 .37
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., works lb. 1.00 - —
dilute, NF, 2% 5-lb bots lb. .35 - —
Hydrofluoric, anhyd., cyls., works. lb. .19 - .19½
tanks, works lb. .16½ —
30%, wood or rubber, dms., works lb. .08½- .09
70%, steel dms., works lb. .143 - .148
Hydrofluosilicic, 30-35%, bbls lb. .08 .09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 —
tanks, Belle, W. Va., 100% basis lb. .085 —
Hypophosphorus, USP, dms lb. .75 - .77
J, bbls., works, 100% basis lb. 2.50 - 2.85
L, bbls., works lb. .95 —
Lactic, edible, 50%, bbls., 20 or more lb. .16 - .18
smaller lots lb. .17 - .19
80%, bbls., 20 bbls. or more. lb. .285 .335
plastic grade, 50%, bbls., 20 or more lb. .19¾- —
10 or less lb. .20¾- —
80%, bbls., 5 or less lb. .3495- .3548
tech., 22%, bbls., l.l., works 100 lbs. 5.80 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs. 10.95 - —
l.c.l., bbls., works 100 lbs. 11.35 - —
cbys., works 100 lbs. 11.85 - —
NF, 85%, cbys lb. .69 - .73
Laurent's, bbls lb. .87 —
Lauric, dist., 85-90%, dms lb. .28 - .28½
60%, dms. lb. .25 - .25½
Linseed oil, reg. dist., dms lb. .2150- .2210
water-white, dms lb. .2450- .2510
Maleic, powd., dms lb. .30 - .31
Anhydride (see M).
Malic, dms. lb. 47 - —
Mandelic, NF, dms., 1,000-lb. lots lb. 1.85 - —
smaller lots lb. 1.90 - 2.10
Mixed, tanks, nitric unit lb. .05 - .06
sulphuric unit lb. .0085- .009
Molybdic, dms., 85%-92%, works lb. .92 - .95
Monochloroacetic, purified, flake, 99%, dms lb. .22½ - .23½
tech., flake, 96-97%, bbls lb. .18 - .19
Muriatic, 18°, cbys., c.l., E. works 100 lbs. 1.65 —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton. 18.00 - —
20°, cbys., c.l., E. works 100 lbs. 1.90 - —
tanks, E. works ton. 20.00 - —
22°, cbys., c.l., E. works 100 lbs. 2.40 - —
tanks, E. works ton 25.00 - —
CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾- —
l.c.l., same basis lb. .14¼ .15¼
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.
Myristic, dist., dms lb. .45 Nom.
Naphthenic 220-230 acidity, dms., works lb. .15 - —
tanks, works lb. .12 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol (1)-5-sulphonic see Acid, L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(2)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)
Naphthylamine(1)-3-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broener's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms lb. .88 - —
Nicotinic, USP, dms., works kilo. 8.00 8.30
Nicotinic amide (see Nicotinamide).
Nitric, 36° cbys., c.l., E. works 100 lbs. 5.00 - —
l.c.l., E. works 100 lbs. 5.40 6.10
38° cbys. c.l., E. works 100 lbs. 5.50 —
l.c.l., E. works 100 lbs. 5.90 - 6.60
40° cbys., c.l., E. works 100 lbs. 6.00 6.50
l.c.l., E. works 100 lbs. 6.40 - 7.10
42° cbys., c.l., E. works 100 lbs. 6.50 - 7.00
l.c.l., E. works 100 lbs. 6.90 7.60
CP, NF, consumers, cbys., extra, c.l., frt. equald lb. .11½- —
l.c.l., same basis lb. .13 - .13½
5 pint bottles extra, cs., c.l., frt. equald lb. .15½- —
l.c.l., same basis lb. .17 - .18
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.
Octoic (see Acid, ethylhexoic).
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Orthocresotinic, dms., ton lots, works lb. .62 - —
smaller lots, works lb. .64 - —
Oxalic, bbls., c.l., works lb. .14¼- —
10,000 lbs., works lb. .14½- —
smaller lots, works lb. .15¼- .15½

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	dist.	distilled	neut.	neutral.
		dextro.	dextrorotatory	NF	National Formulary
alld.	allowed	distr.	distributor		
ammo.	ammonia	djns.	demijohns	nom.	nominal
amorph.	amorphous	dlvd.	delivered	No.	number
anhyd.	anhydrous	dms.	drums	ord.	ordinary
a.p.a.	available phosphoric acid	dom.	domestic	oz.	ounce
		E.	east	Pac.	Pacific
artif.	artificial	e.p.	end point	pf.	proof
ASTM.	American Society for Testing Materials	equald.	equalized	phos.	phosphate
		F.	fahrenheit	photo.	photographic
Be.	Baume	ferment.	fermentation	pkgs.	packages
bgs.	bags	ffa.	free fatty acid	powd.	powdered
bbls.	barrels	ffc.	free from chlorine	precip.	precipitated
bls.	bales			prod.	producer
bots.	bottles	fib.	fiber	pt.	point
b.p.	boiling point	f.o.b.	free on board	pulv.	pulverized
b.p.l.	bone phosphate of lime	F.P.A.	free of prussic acid	purif.	purified
		frt.	freight	redist.	redistilled
b.r.	boiling range	fus.	fused	refd.	refined
bxs.	boxes			refy.	refinery
C	centigrade	gal.	gallon	reg.	regular
cbys.	carboys	gran.	granular	resub.	resublimed
CD	completely denatured	grd.	ground	ret.	returnable
		i.&a.	iron and aluminum	SD	specially denatured
c.i.f.	cost, insurance, freight	i.b.p.	initial boiling point	s.d	single distilled
				S. E.	southeast
cks.	casks	imp.	imported	secs.	seconds
c.l.	car lots	incl.	included	s.g.	specific gravity
cns.	cans	indust.	industrial	ship't	shipment
col.	color			solut.	solution
com'l	commercial	kgs.	kegs	s.u.	standard unit
conc.	concentrated	lacq.	lacquer	synth.	synthetic
CP	chemically pure	lb.	pound	tech.	technical
cps.	centipoises	l.c.l.	less than car lots	USP	U. S. Pharmacopoeia
cryst.	crystal	liq.	liquid		
cs.	cases	m.a.p.	mixed aniline point	vis.	viscosity
ctns.	cartons			VM&P	varnish makers & painters
cyls.	cylinders	min.	minimum		
dbl.	double	m.p.	melting point	W	west
denat.	denatured	N	nitrogen	w.w.	water white
dest.-dist.	destructive-distilled	nat.	natural	whse.	warehouse

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

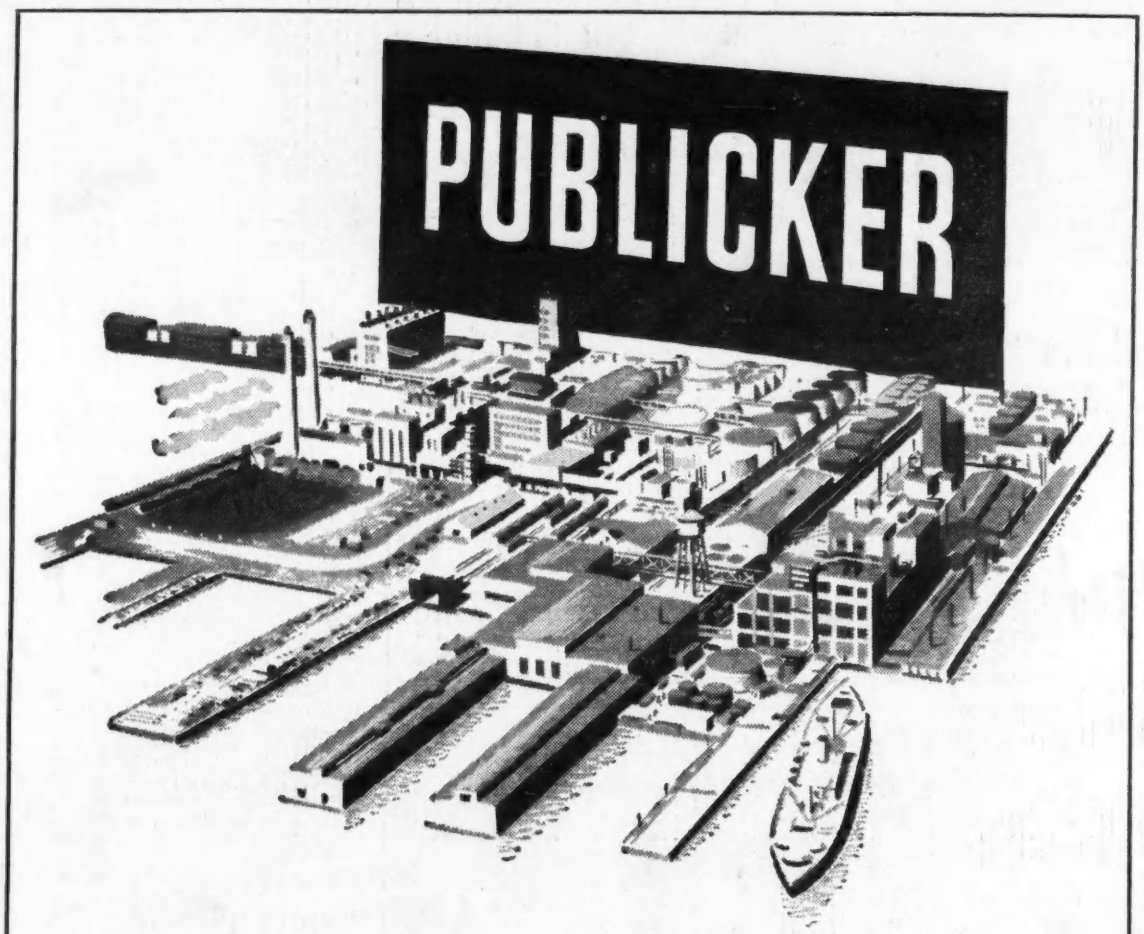
Acid, Palm Oil—Allspice

Acid, palm oil, white, dist., dms lb. .21¼- .21¾
Para-aminobenzoic, purified, dms., 100 lbs. or more, works lb. 3.75 - —
smaller lots, works lb. 3.85 - 4.00
technical, dms lb. 1.84 —
Para-aminosalicylic, dms., 1,000-lb. lots or more, works lb. 9.00 —
smaller lots, works lb. 9.05 -10.00
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, cns. lb. .87 —
Paratoluidinmetasulphonic, bbls., works lb. .92 - —
Peanut oil, s.d., dms lb. .12¼- .13¾
Perchloric, 60%, cbys., works lb. .58 - .62
70-72%, cbys., works lb. .61 .66
Phenylacetic, bots lb. 1.51 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid mandelic).
Phosphoric, food grade, 75%, cbys., c.l., works, frt. equald 100 lbs. 6.50 - —
t.c.l., works, frt. alld. 100 lbs. 7.50 - —
tanks, works, frt. equald 100 lbs. 4.50 —
NF, 85%, cbys., c.l lb. .10½- —
For shipments in cbys., add handling charges.
Picramic, ogs. lb. .65 .70
Picric, tech., bbls lb. .32 .33
NF, bbls. lb 42 —
Propionic, nat., dms., works lb. .18 —
tanks, works lb. .17 —
synth., pure, dms., works lb. .22 —
tanks, works lb. .21 —
Pyrogallic, tech., bbls lb. No prices.
NF, cryst., dms lb. 2.95 3.18
resub., dms lb 3.45 3.60
Pyroligneous, dms. incl., l.c.l., ex whse gal. .41 - —

Acid, ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.97 3.00
Salicylic, crude, bbls lb. .28 - —
sublimed, tech., bbls., c.l. lb. .31 - —
l.c.l. bl. .38 - —
dyestuffs grade, bbls lb. .32 - —
USP, cryst., bbls lb. .40 - —
powder, bbls. lb. .45 - —
Sebacic, purified, dms., c.l., works, lb. .47 —
l.c.l., works lb. .49 .53
Soybean oil, single dist., dms lb. .10¾- .11¾
double dist., dms lb. .11¾- .12¾
Stearic, double pressed, bgs lb. .13¼- .13¾
single pressed, bgs lb. .12¼- .12¾
triple pressed, bgs lb. .15½- .16
Succinic, bbls., cryst., purified, works lb. .90 —
tech., bbls., works lb. .65 .75
Sulphanilic, tech., dms., works lb. .17 —
Sulphuric, 60° Be, cbys., c.l., E. works 100 lbs. 1.40 —
t.c.l., E. works 100 lbs. 1.80 2.50
tanks, E. works ton 13.75 —
66° Be, cbys., c.l., E. works 100 lbs. 1.65 —
t.c.l., E. works 100 lbs. 2.05 2.75
tanks, E. works ton 17.00 —
98%, tanks, E. works ton 18.00 —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. 07¾ —
t.c.l., same basis lb 09¼ 09¾
5 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼ —
t.c.l., same basis lb 12¾ 13¾
fuming, 20%, tanks, E works. ton 19.00 —
Tallow, dist., dms lb. .09 - .09½
Tannic, tech., 60-62%, dms lb. 68 69
70-72%, dms. lb 80 85
75-76%, dms. lb 86 90

Acid, tannic, USP, fluffy, bbls., 1,000-lb. lots lb. 1.45 - —
smaller lots lb. 1.47 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.30 - 1.50
Tartaric, USP, dom., 230, 250 lb. dms., 10,000 lbs., 1 ship't. lb. .31½- —
smaller lots lb. .32 - —
100-lb. dms lb. .33 - —
small, dms lb. .35 - .37
imported, kgs lb. .28 - .30
Thioglycolic, refined, bbls., cbys., basis 100% lb. 1.60 - 1.80
tech., bbls., cbys., basis 100% lb 1.40 —
Tobias, bbls. lb. .65 —
Trichloroacetic, bots. lb 2.00 2.50
Toluenesulphonic, dms., c.l., works lb. .18½- —
t.c.l., works lb. .20 - —
tanks, works lb. .17 - —
Tungstic, tech., kgs., works lb 2.20 2.40
Aconite leaves, bls lb. .55 .60
Root, bbls. lb. .60 .70
Aconitine, amorph., mild, bots oz. 27.50 32.50
cryst., potent, bots oz. 78.00 85.00
Acrolein, dms., works lb .50 —
Acrylonitrile, dms., c.l., works lb. .36½ —
l.c.l., works lb. .37 .55
tanks, works lb .35 —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .33 - .40
Agar, USP, Kobe, No. 1 strip, bls lb. 1.85 - 1.95
futures, bls. lb. 1.65 - 1.75
Agaric, white, bls lb. 1.50 1.75
Agrimony herb, bls lb. 30 35
Alanine, dextro-laevo, dms., works, lb 8.50 11.00
Albumen (egg) edible, flake, bbls lb. 1.87 - 1.90
powd., bbls lb. 1.92 - 1.95
tech., cryst., bbls lb. .80 - .85

Albumin, blood, dark (see Blood, dried, soluble)
light, dms., l.c.l. lb. .67½- .72½
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31½- —
works lb. .32½- —
l.c.l., dlvd lb. .32½- —
works lb. .33 - —
tanks, dlvd lb. .30 - —
works lb. .31 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss lb. .16 - —
l.c.l., frt. alld. E. of Miss lb. .17 - —
tanks, frt. alld. E. of Miss lb. .15 - —
(see also Fusel oil, ref.)
fermentation, refined, 126-132°C, dms., c.l., dlvd lb. .33½- —
l.c.l., dlvd lb. .34½- —
tanks, dlvd lb. .32 - —
128-132°C, dms., l.c.l., dlvd. lb. .30 -
ACS grade, dms., l.c.l., dlvd lb. 42 —
Benzyl, dms. lb. 60 .88
tech., dms., works, frt. equald. lb. 45 .50
Butyl, fermentation, normal, Ill., Ind. prod., dms., c.l., frt. alld lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12½- —
tankwagon, frt. alld lb. .13 - —
other production, dms., c.l., frt. alld lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12½- —
synthetic, normal, dms., c.l., frt. alld lb. .14 —
l.c.l., frt. alld lb. .15 —
tanks, frt. alld lb. .12½- —
secondary, dms., c.l., frt. alld. lb. .11½- —
l.c.l., dlvd., frt. alld lb. .12 - —
tanks, dlvd., frt. alld lb. .10 —
tertiary, dms., c.l., frt. alld. lb. .13½- —
l.c.l., frt. alld lb. .14 - —
tanks, frt. alld lb. .12 - —
Capryl, dms., c.l., works lb. .26 - —
l.c.l. works lb. .27 - —
tanks, works lb. .24½- —
Cetyl, dom., CP., fiber ctns., 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots lb. 2.75 - 2.95
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R. gal. .42½- —
l.c.l., dlvd. E. of Miss. R gal. .46½- .51½
tanks, dlvd. E. of Miss. R gal. .32½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R gal. .41½- —
l.c.l., same basis gal. .45½- .50½
tanks, same basis gal. .31½- —
SD2B, dms., c.l., E. of Miss. R. gal. .40 —
l.c.l., same basis gal. .44 - .49
tanks, same basis gal. .30 —
SD23H, dms., c.l., dlvd. E. of Miss. R gal. .43 —
l.c.l., same basis gal. .47 - .52
tanks, same basis gal. .33 —
SD29, denatured, with acetaldehyde, dms., c.l., dlvd. E. of Miss. R gal. .40½- —
l.c.l., same basis gal. .44½- .49½
tanks, same basis fal. .30½- —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge
Proprietary solvent, dms., c.l., dlvd. E. Miss. R gal. .42½- —
l.c.l., same basis gal. .46½- .51½
tanks, same basis gal. .32½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Special solvent (see Alcohol, denat., proprietary).
Diacetone, acetone free, dms., c.l., dlvd lb. .13½- —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13 - —
l.c.l., dlvd lb. .13½- —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R gal. 17.49 —
l.c.l., same basis gal. 17.53 -17.58
tanks, same basis gal. 17.39 —
tax free, dms., c.l., dlvd. E. Miss. R gal. .39 —
l.c.l., same basis gal. .43 - .48
tanks, same basis gal. .29 - —
absolute, 200 pf., tax paid, dms., c.l., same basis gal. 18.44 —
l.c.l., same basis gal. 18.48 -18.53
tanks, same basis gal. 18.34 —
Ethylhexyl, dms., c.l., works lb. .30 - —
l.c.l., same basis lb. .30½- —
tanks, same basis lb. .29½- —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl, refined, fermentation).
Isobutyl, dms., c.l., dlvd lb. .14 - —
l.c.l., works lb. .15 - —
tanks, dlvd lb. .12½- —
Iso-octyl, dms., c.l., works lb. .29½- —
l.c.l., works lb. .29¾- —
tanks, works lb. .27¾- —
Isopropyl, refd., 91%, dms. incl., c.l., dlvd gal. .38 - —
l.c.l., dlvd gal. .41 - —
tanks, dlvd gal. .28 - —
95%, dms. incl., c.l., dlvd gal. .39½- —
l.c.l., dlvd gal. .42½- —
tanks, dlvd gal. .29½- —
NF, 99%, dms. incl., c.l., dlvd, gal. .41 - —
l.c.l., dlvd gal. .44 - —
tanks, dlvd gal. .31 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl).
Nonyl (see Trimethylhexonal).
Octyl, perfumer's grade, bots lb. 2.15 - 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, cns. lb. 1.40 - 1.70
Polyvinyl, type A, fiber-pack, Niagara Falls lb. .65 .70
type B, fiber-pack, same basis lb. .60 .68
Propyl, normal, dms., c.l., dlvd. lb. 09½- —
works lb. .08 - —
l.c.l., dlvd lb. .10 - —
works lb. .08½- —
tanks, dlvd lb. .08 - —
works lb 06½- —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia lb .47 —
dms., c.l., Waverly, N. Y. lb. .40 —
l.c.l., same basis lb. .44 —
tanks, Niagara Falls, N. Y. lb. .36 —
Aldol, 95%, dms., works lb .15 .16
denaturing grade, dms. gal. 1.33 1.48
Aletris root, bgs. lb 1.50 1.60
Algin, bbls., cb. dms lb. .76 1.00
Alizarin (see Red, alizarin)
Alkanet root, bgs. lb. .35 .40
Allspice, Jamaica (see Pimento).
Mexican, bgs. lb. 19 .19½



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Allyl Bromide—Anthraquinone

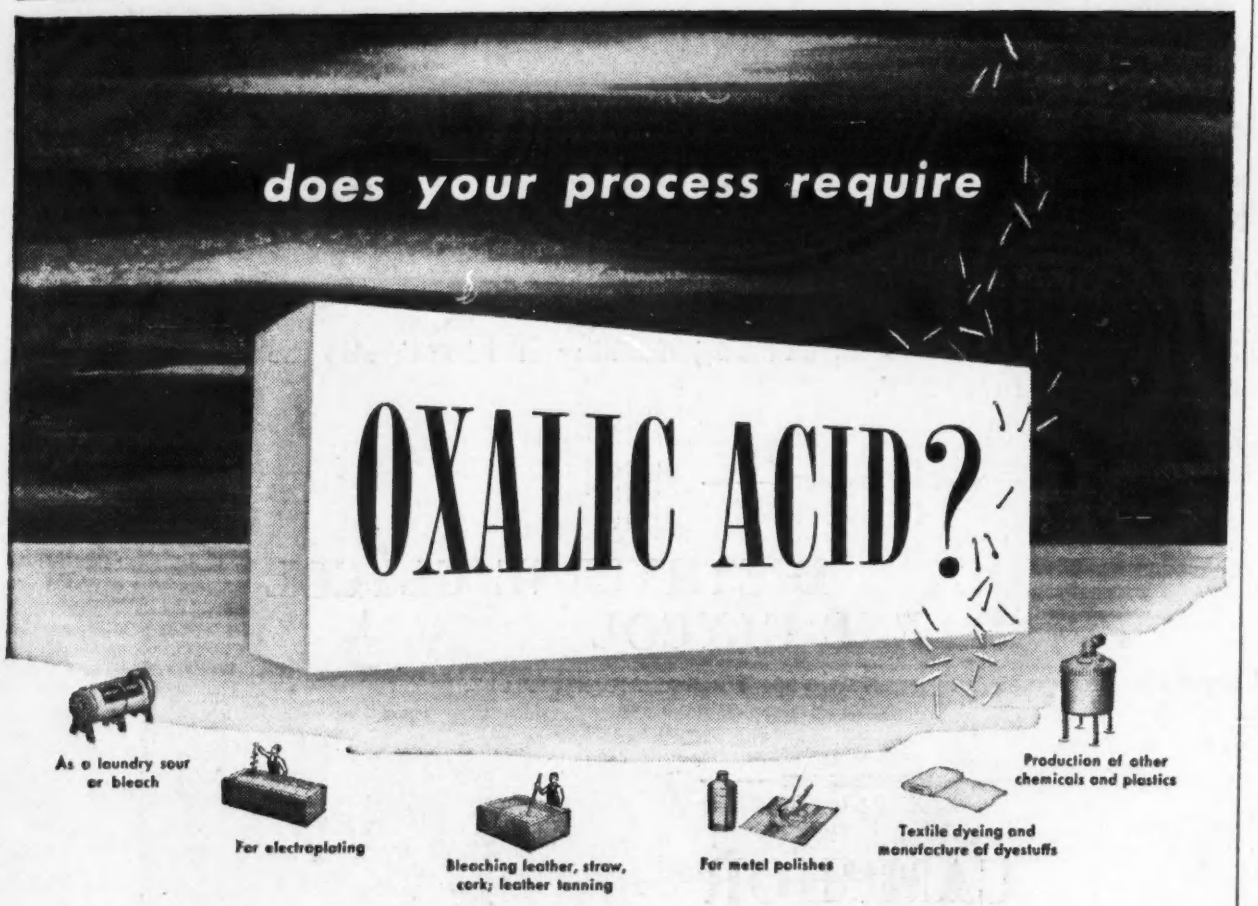
Allyl bromide, coye., 5,000 lbs., works lb. .89 - —
smaller lots, works lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd lb. .16½- —
l.c.l., dlvd. lb. .17 - —
tanks, dlvd. lb. .15 - —
Aloe, Cape, cs lb. .21 - .23
Curacao, kgs. lb. .35 - .36
Socotrine, kgs lb. .35 - .36
Aloin, USP, bbls., dms., kgs lb. 3.75 - 4.05
Alphacellulose, bgs., c.l., works lb. .04 - .15
Alphanaphthol, bbls lb. .70 - —
Alphanaphthylamine, bbls lb. .41 - .42
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 2.00 - 2.40
Alphanitronaphthalene bbls lb. .34 - —
Alphapicoline, ref. dms., c.l. works, frt. equald lb. .27 - .30
l.c.l., works, frt. equald lb. .29½ - .30
Alphapinene, tanks, South, works gal. No prices.
Alphaterpineol, dms. l.c.l., dlvd. E. lb. .17 - —
Alphatocopherol, bots kilo. 350.00 - —
Acetate, bots kilo. 350.00 - —
Althea root, NF, peeled, bls lb. .30 - .40
Alum, ammonia, gran., bbls., works, 100 lbs. 3.80 - —
lump, bbls., works 100 lbs. 4.05 - —
powd., bbls., works 100 lbs. 4.20 - —
USP, burnt, bbls. lb. .20 - .21
hydrous, bbls. lb. .07¾- .08
Potash, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works 100 lbs. 4.30 - —
powd., bbls., works 100 lbs. 4.45 - —
USP, hydrous, bbls. lb. .07¾- .08
Potash-chrome, dms lb. .17 - —
Soda, bbls., c.l., works 100 lbs. 3.25 - —
l.c.l., dlvd 100 lbs. 4.25 - 5.00
Alumina, calcined, bgs., c.l., works lb. .03½- .05
crystalline (see Aluminum oxide).

Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 - —
20%, bbls., l.c.l., works lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works lb. .11 - .11½
l.c.l., works lb. .11½- .12
cryst., com'l, dms., c.l., works lb. .0650- —
l.c.l., works lb. .0690- —
NF, gran., dms., works lb. .27 - .28
solution, 32°, cbys., c.l., works lb. .03¼- —
l.c.l., works lb. .04 - —
Fluoride, tech., anhyd., bbls., c.l., works lb. .10 - —
l.c.l., works lb. .11 - .13
Formate, basic solution, cbys., c.l. lb. .09½- —
l.c.l., works lb. .1v - —
Hydrate, heavy, bgs., c.l., frt. equald ton. 50.00 -54.00
l.c.l., works ton. 72.00 -86.00
light, bgs., dlvd lb .17 - —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .21¼- —
contract, works lb. .20¼- —
9-9½% Al_2O_3, fib. dms., works lb. .18¼- —
contract, works lb. .17¼- —
dried, USP XII, fib. dms., works, lb. .79½- —
contract, works lb. .76½- —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls lb. .42 - —
Linoleate, solid, dms., frt. alld. lb. .48 - —
Metal, 98-99%, ingots, 10,000 lbs. lb. .17 - —
pigs, 10,000 lbs lb. .16 - —
Naphthenate, liquid, 1.7%, frt. alld lb. .24½- .25
Oleate, dms., precip lb. .35¼- —

Aluminum oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt. alld. lb. .14 - .15
kgs., ton, frt. alld. lb. .12½- —
smaller lots, frt. alld. lb. .13 - .15
260-400 mesh, dms., frt. alld lb. .32 - .33
kgs., frt. alld lb. .31 - —
500 mesh, dms., frt. alld lb. .35 - .37
kgs., frt. alld lb. .34 - —
600 mesh, dms., frt. alld. lb. .51 - .53
kgs. frt. alld lb. .50 - —
optical, floated, kgs., dlvd lb. .36 - .86
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld lb .15 - —
high-purity, alpha or gamma, ultrafine, dms., works lb. 13.50 —
jars, works lb. 15.00 -17.00
Aluminum oxide flour prices W of Denver ¾c. per lb. higher.
Paste, lining, extra fine, dms lb. .38 - —
standard, dms lb. .39¼- —
Powder, lining, extra fine, dms lb. .96 - —
standard, dms lb. .64½- —
rubber comp., dms lb. .48½- —
unpolished, standard, dms lb. .44½- —
varnish, standard, dms lb .49 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Aluminum, resinate, precip., dms., frt. alld. lb. .24 - —
Stearate, dibasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
monobasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
tribasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
Sulphate, com'l, bgs., c.l., works, equald. 100 lbs. 1.50 - —
l.c.l., same basis 100 lbs. 1.90 - —
iron-free, bgs., c.l., works, frt. equald. 100 lbs. 2.75 - —
l.c.l., works 100 lbs. 3.15 - —
NF, gran., dms., works lb. .27 - .28
powd., dms., works lb. .32 - .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots. oz. 8.50 -12.00
Aminoazotoluene, bbls lb. .97 - 1.03
Aminomethylpropanol, cns., dms., works lb. .65 - .69
Aminoethylethanolamine, dms., c.l., works lb. .42 - —
l.c.l., works lb. .42½- —
tanks, works lb. .40 - —
Aminophylline, USP, bots., kgs lb. 6.00 - —
Aminopyrine, USP, bots., dms lb. 6.00 - 6.15
Ammonia, anhydrous, fertilizer, tanks, works ton. 74.00 -75.00
pure, cyls., extra, zone 1 lb. .17 - .17½
2 lb. .19 - .19½
3 lb. .21 - .21½
4 lb. .16 - .19½
refrigeration, tanks, works ton. 76.50 -77.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 3.10 - —
l.c.l., works 100 lbs. 3.50 - —
tanks, works, anhyd. basis ton. 80.00 -81.00
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bgs., c.l., works, frt. equald. 100 lbs. 6.55 - —
l.c.l., same basis 100 lbs. 6.95 - —
white, gran., bgs., c.l., works 100 lbs. 4.60 - —
l.c.l., works 100 lbs. 6.25 - —
Ammoniacal liquor, tankcars, works, anhyd. basis ton. 75.00 -80.00
Ammonium acetate, purified, dms lb. .39 - .40
reagent, jars lb. .61 - .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld. lb. .80 - —
smaller lots, frt. alld. lb. .81 - 1.08
Biborate, bbls., c.l., works ton. 302.00 - —
ton lots, works ton. 355.50 - —
less ton lots, works ton. 360.50 - —
Bicarbonate, dms., works, c.l. lb. .05½- —
l.c.l., works, dms lb. .06 - —
Bichromate, bbls., works lb. .31 - .32
Bifluoride, dms., dlvd lb. .18 - .18¼
Bromide, gran., NF, bbls lb. .36 - .37
dms. lb. .37 - .40
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms. lb. .18½- .22
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms lb. .18 - .19
Citrate, dibasic, bbls lb. .75 - —
dms. lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua)
Hypophosphite, NF, dms lb. 2.40 - —
Iodide, NF, jars lb. 3.79 - 3.91
Linoleate, plastic, 50%, dms., works lb. .40½- —
kgs., works lb. .42½- —
25%, dms., frt. alld. lb. .21¼- —
tech., obls., works lb. .37 - —
dms., works lb. .39 - —
Molybdate, metal grade, kgs lb. .90 - —
chemical grade, bbls., kgs lb. .85 - —
A.C.S., grade, dms lb. .88 - —
Nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point ton. 57.50 - —
dom., bgs., western works ton. 58.00 - —
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va. ton. 46.00 - —
Oleate, dms., precip lb. .23¼- —
Oxalate, fine gran., dms lb. .25 - .31
Pentaborate, gran., bbls., c.l., works ton. 212.00 - —
ton lots, works ton. 265.50 - —
less ton lots, works ton. 270.50 - —
Ammonia pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works lb. .50 - .75
Persulphate, kgs lb. .25½- .28¼
Phosphate, com'l, bgs., c.l., works. lb. .08 - —
l.c.l., works lb. .08½- —
dibasic, NF V, bbls., dms lb. .40 - —
tech., bgs., c.l., works lb. .08 - —
l.c.l., works lb. .08½- —
Salicylate, NF, dms., kgs lb. 1.25 - 1.28
Silicofluoride, dms., works lb. .12 - .13
Sulphamate, bbls., dms., works lb. .18 .20
Sulphate, coke-oven, bulk, producing ovens ton. 45.00 -50.00
converters', bulk, works ton. 45.00 -50.50
Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works. lb. .10½- —
l.c.l., works lb. .15½- —
tanks, dlvd. or frt. alld lb. .09 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate tech., bbls., c.l., works lb. .15 —
l.c.l., works lb. .16 .19
Thioglycollate, highly purified, 100% basis, cbys lb. 1.70 - 2.25
commercial, same basis lb. 1.40 - 1.95
Thiosulphate, jars lb. .32 - .36
Amphetamine citrate, dextro, bots. lb. 36.00 - —
dextro-laevo, dms lb. 6.50 - —
Hydrochloride, dextro, dibasic, bots lb. 36.00 - —
monobasic, bots lb. 34.00 - —
dextro-laevo, dms lb. 6.50 - —
Phosphate, dextro, dibasic, bots. lb. 36.00 - —
dextro-laevo, dibasic, dms lb. 6.50 - —
monobasic, dms lb. 6.00 - —
Sulphate, dextro, bots lb. 36.00 - —
dextro-laevo, dms lb. 6.50 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .16½- —
l.c.l., dlvd lb. .17½- —
tanks, dlvd lb. .15 - —
ex pentane, dms., c.l., frt. alld. E. of Miss. R lb. .16 - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb. .90 - 1.00
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .76 - .81
Anethol, com l, dms., works lb. .50 - —
NF, cns., dms lb. .77 - .82
Angelica root, dom., bls lb. .65 - .70
imported, bls lb. .70 - .75
Angostura bark, bls lb. .44 - .49
Aniline oil, dms., c.l., works, frt. alld lb. .15 - —
l.c.l., works, frt. alld lb. .16 - —
tanks, works, frt. alld lb. .14 - —
Salt, dms., works lb. .26 - —
Anise, Argentine, bgs lb. No stocks.
Chinese, star lb. .16 - .16¼
Cyprus, bgs lb. .20 - .20½
Mexican, bgs. lb. .15 - .15½
Syrian, bgs lb. .15 - .15½
Anisic aldehyde, bots., dms lb. 2.10 -2.35
Annatto paste, bxs lb. .32 - .33
Seed, bgs lb. .18 - .20
Anthracene, 80-85%, bbls., works lb. .60 - .66
90%, bbls., works lb. .81 - 1.00
Anthraquinone, 99.5%, bbls lb. .85 - —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Bleaching leather, straw, cork; leather tanning
For metal polishes
Textile dyeing and manufacture of dyestuffs
Production of other chemicals and plastics

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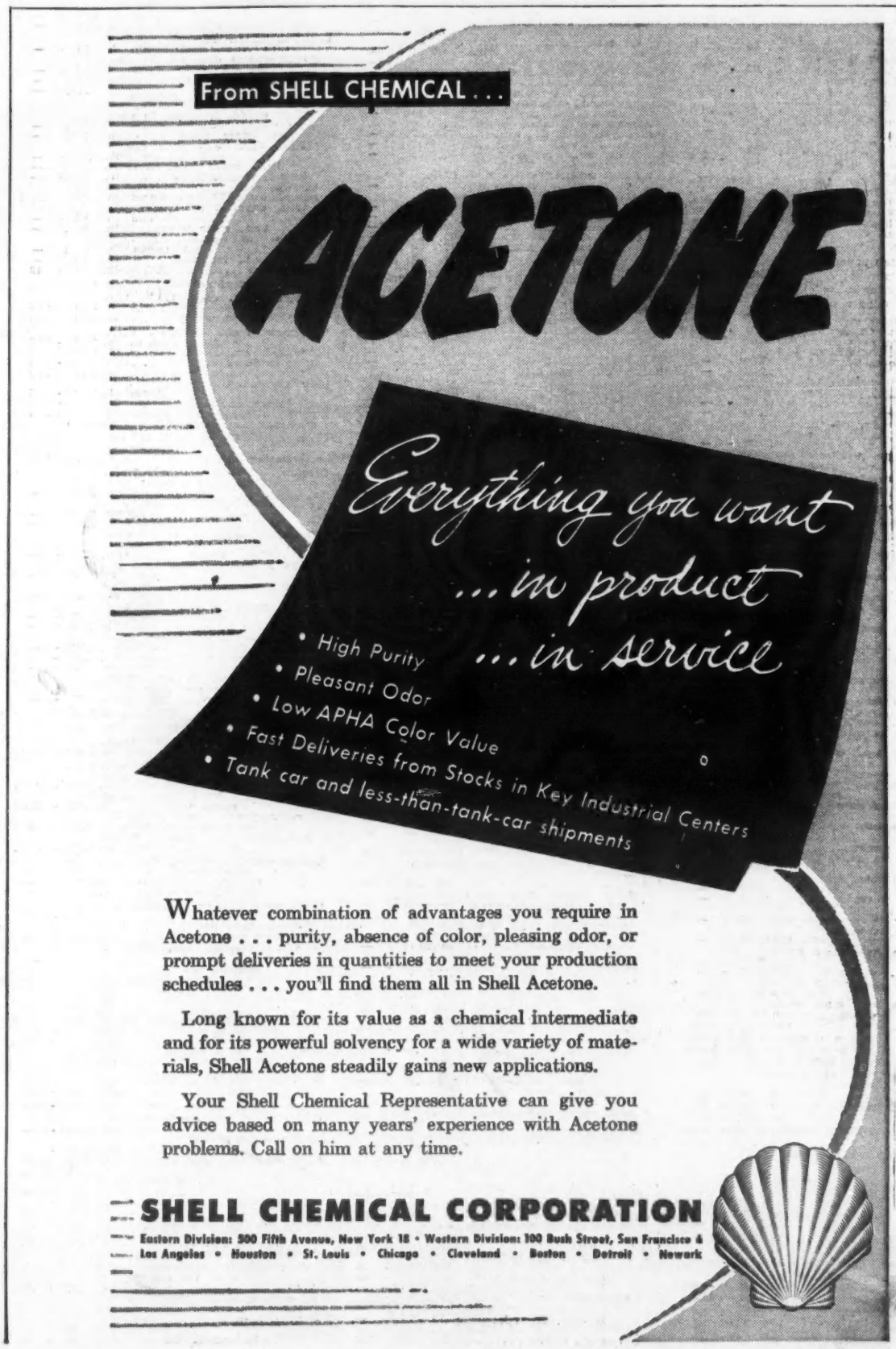
Antimony butter (see Antimony chloride).
Chloride, solut., cbys. lb. .29 - .30
Metal, bulk, c.l., mines lb. .32 - —
Oxide, ceramic grade, bgs., c.l., frt. alld. lb. .27 - —
l.c.l., frt. alld. lb. .28 - —
paint grade, bgs., c.l., frt. alld. lb. .27 - —
l.c.l., frt. alld. lb. .28 - —
Antimony salt, 65%, bgs., c.l., divd. E. of Miss. lb. No stocks.
Sulphide, 62-64%, bgs., frt. alld., divd. lb. .20 - .23
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms. lb. 2.35 - 2.45
Apomorphine, USP, bots. oz. 23.20 -23.70
Archil extract, bbls. lb. No stocks.
Areca nuts, powd., bbls. lb. .22 - .25
Arecoline hydrobromide, NF, bots. oz. 5.00 - 5.75
Arginine hydrochloride, laevo kilo. 140.00 -150.00
Argols, min. 50%, bgs., shipment ports, per 100 kilos (100% purity) 15.00 -16.25
Arnica, flowers, bls. lb. .45 - .75
root, bls. lb. 1.45 - —
Arrowroot, powd., bgs. lb. .13 - .16
Arsenic, metal, lump, bbls., prompt shipt. lb. .80 - .90
Sulphide, yellow, bbls. lb. No stocks
Trioxide, USP, dms. lb. .40 - .42
White, powd., bbls., c.l., divd. lb. .05½- —
l.c.l., divd. lb. .06¼- .06¾
Asafetida, cs. lb. .32 - .35
powd., bbls., dms. lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos, Canadian, crude, No. 1, c.i. (20 tons), mines ton. 940.00 -960.00
No. 2, c.i. (20 tons), mines ton. 485.00 -492.00
Run-of-mine, c.i. (20 tons), mines ton. 400.00 - —
Fiber, 3K, c.i. (20 tons), mines. ton. 313.00 - —
3R, c.i. (20 tons), mines ton. 267.00 - —
3T, c.i. (20 tons), mines ton. 249.50 - —
3Z, c.i. (20 tons), mines ton. 231.00 - —
4K, c.i. (20 tons), mines ton. 124.50 - —
4M, c.i. (20 tons), mines ton. 124.00 - —
4T, c.i. (20 tons), mines ton. 111.50 -141.00
4Z, c.i. (20 tons), mines ton. 111.50 - —
5D, c.i. (20 tons), mines ton. 88.00 - —
5K, c.i. (20 tons), mines ton. 88.00 - —
5M, c.i. (20 tons), mines ton. 84.00 - —
5R, c.i. (20 tons), mines ton. 78.50 -79.00
6D, c.i. (30 tons), mines ton. 58.00 -59.00
7D, c.i. 30 tons), mines ton. 52.00 -52.50
7F, c.i. (30 tons), mines ton. 49.00 -49.50
7H, c.i. (30 tons), mines ton. 41.50 -42.00
7K, c.i. (30 tons), mines ton. 35.00 -35.50
7M, c.i. (30 tons), mines ton. 30.50 -31.00
7R, c.i. (30 tons), mines ton. 29.50 -30.00
7T, c.i. (30 tons), mines ton. 28.00 -28.50
7RF, c.i. (30 tons), mines ton. 30.50 -31.00
7TF, c.i. (30 tons), mines ton. 30.50 -31.00
8S, c.i. (30 tons), mines ton. 19.00 -27.00
Prices quoted above are in U. S. funds. Add $4 per ton for l.c.l. lots.
Asphaltum, cut-back, tanks, tank wagon, refinery gal. .09 - —
Emulsion, tanks, tank wagon, refinery gal. .09¼- .10
Gilsonite, brilliant black, selects 270°-295° F. fusing pt., bgs., f.o.b. Colo. mines ton. 36.50 - —
seconds, 300°-390° F. fusing point, not uniform, bgs., Colo. mines ton. 31.00 - —
jet, bgs., ton lots, gross weight, Colo. mines ton. 36.50 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
process form, bgs., works lb. .05¼- .13
Steam-rfd., less than 80 penetration., tanks, tankwagon, refinery ton. 22.00 - —
80-300 penetration, tanks, tankwagon, refinery ton. 21.00 - —
Atropine, USP, bots. oz. 13.50 -14.00
Sulphate, USP, bots. oz. 9.00 - 9.35

B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units vial. .42 - —
10,000 units vial. .80 - —
50,000 units vial. 2.38 - —
Balm of Gilead buds, dried, bgs. lb. 1.40 - 1.50
Barbasco root (see Cube root).
Barberry, root bark, bgs. lb. .60 - .65
tree bark, bgs. lb. .53 - .55
Barbital, USP, dms. lb. 4.50 - —
Sodium, USP, dms. lb. 4.75 - —
Barium carbonate, precip., bgs., 10 tons and up, works ton. 72.50 -80.00
smaller lots, works ton. 82.50 -90.00
Chlorate, kgs., works. lb. .25½- .31
Chloride, NF, cryst., dms. lb. .17 - .18
tech., bgs., c.l., works, frt. equald. ton. 90.00 - —
l.c.l., works. ton. 100.00 - —
Chromate, bgs., frt. equald. lb. .31½- .33
Dioxide, dms., c.l., works lb. .12 - —
l.c.l., works lb. .12 - —
Hydrate, crystals, bgs. lb. .09 - .09¼
Hydroxide, anhyd., bbls., works lb. .19 - —
Iodide, bots. lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb. .11½- —
l.c.l., works lb. .13 - —
Oxide, grd., dms., c.l., works lb. .11 - —
l.c.l., works lb. .11½- —
Peroxide (see Dioxide).
Stearate, ctns., c.l. lb. .34 - —
smaller lots lb. .35 - .36
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls lb. .12½- .13
Sulphide, dms., c.l., works ton. 55.00 - —
l.c.l., works ton. 70.00 - —
Barium-potassium chromate, dms., c.l., frt. alld. lb. .20 - —
l.c.l., works lb. .21 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton. 9.40 -12.50
Barytes, water-grd., paper bgs., c.l., St. Louis ton. 35.05 - —
l.c.l., same basis ton. 36.85 - —
ex whse., N. Y. ton. 49.65 - —
Southern off-color, bgs., mines ton. 19.00 - —
95.75%, bgs., mines ton. 20.00 - —
Bay leaves (see Laurel leaves).
Belladonna leaf, bls. lb. .75 - 1.10
Root, bls lb. .45 - .50
Bauxite, bulk, mines ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works ton. 11.00 - —
Benzaldehyde, NF, dms. lb. .63 - —
tech., cbys., dms. lb. .45 - —
Benzal chloride, cbys., works lb. .19 - .25
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane)
12% gamma, tech., bgs., dms., c.l., works lb. .24 - —
l.c.l., works lb. .26¼- —
6% gamma, 50% dust, dry, distributors, dms., c.l., divd. lb. .15 - —
l.c.l., divd. lb. .16 - —
wet, distributors, dms., c.l., divd. lb. .16½- —
l.c.l., divd. lb. .17½- —
Benzidine base, bbls. lb. 1.02 - —
Benzocaine, cns. lb. 3.25 - 3.33
Benzol (benzene), pure, nitration, tanks, works, Dangerfield, Tex., Lackawanna, N. Y., Philadelphia, Pa., Sparrows Point, Md., St. Louis, Mo., Syracuse, N. Y., Wyandotte, Mich. gal. .21 - .23
Bethlehem, Pa., Birmingham, Ala., Chicago district, Cleveland district, Johnstown, Pa., Minequa, Colo., Pittsburgh district, Terre Haute, Ind., Woodward, Ala., Youngstown, Ohio. gal. .20 - .22
Benzophenone, dms. lb. 1.15 - 1.70
Benzothiazyl disulfide, 50-lb. bgs., 150-lb. containers, works, frt. alld., ton lots lb. .35 - —
less ton lots, same basis lb. .37 - —
Benzoyl chloride, cbys., dms., c.l., works, frt. eq lb. .20½- .21
l.c.l., same basis lb. .21½- .22
Peroxide, pure, 6b. ctns., works. lb. .90 - 1.05
Benzyl acetate, f.f.c., dms. lb. .60 - 1.00
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald lb. .19 - .19½
l.c.l., same basis lb. .20 - .20½
high grade, 2c. higher.
Cinnamate, cns. lb. 3.00 - 4.00
Formate, cns lb. 1.60 - 3.50
Propionate, bots lb. 1.34 - 2.30
Salicylate, bots. lb. 1.55 - 2.25
Benzylidinacetone, bots. lb. 1.85 - 2.70
Benzylisoeugenol, bots lb. 8.90 - 9.00
Berberine, bisulphate, cns lb. 45.75 -48.00
Hydrochloride, bots. lb. 45.75 -48.00
Sulphate, cns. lb. 45.75 -48.00
Berberis root, bls lb. .35 - .40
Betagammapicoline, dms., c.l., works. lb. .21 - .23½
l.c.l., works lb. .21½- .24
Betamethylnaphthalene, m.p., 32°C., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works lb. .75 - —
tech., bbls., c.l., works lb. .30 - —
l.c.l., works lb. .32 - —
Benzoate, fib. dms., works lb. 1.75 - —
Salicylate, dms. lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .90 - —
Betaphenylethylamine, dms., worrs, 1,000-lb. lots lb. 1.25 - —
smaller lots lb. 1.60 - —
Betapicolin, 90%-95%, dms., c.l., works lb. 1.35 - —
98%, dms., c.l., works lb. 1.85 - —
Beth root, bls. lb. .45 - .50
Biotin, cryst. gram. 12.50 - —
Bismuth chloride, jars lb. 3.95 - —
Citrate, USP VIII, jars lb. 3.27 - —
Hydroxide, dms lb. 4.18 - —
Metal, bxs., ton lots lb. 2.00 - —
Nitrate, cryst., dms lb. 1.65 - —
Oxychloride, dms lb. 3.97 - —
Oxide, anhydrous, dms lb. 4.60 - —
Phenolsulphonate, fib. dms lb. 4.70 - —
Subcarbonate, USP, dms lb. 2.80 - —
Subgallate, NF, fib. dms lb. 2.75 - —
Subiodide, fib. dms. lb. 4.90 - —
Subnitrate, NF, dms lb. 2.30 - —
Subsalicylate, USP, dms lb. 3.20 - —
Bismuth-ammonium citrate, USP, powd., dms lb. 3.80 - —
Black, acetylene, bgs., c.l., works lb. .13½- —
cs., l.c.l., shipt. point lb. .17 - .19
Bone, bgs., bbls., l.c.l., divd lb. .14½- .22½
Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.

Antimony Butter—Blanc Fixe

Black, carbon, channel, beads, bulk, c.l., works lb. .0650- —
bgs., c.l., works lb. .0690- —
l.c.l., divd. or whse lb. .117 - .1179
uncompressed, regular, bgs., c.l., works lb. .0633- —
bgs., ctns., l.c.l., divd. or whse lb. .13¼- —
furnace, fast extruding, bgs., c.l., works lb. .05½- —
ctns., l.c.l., whse lb. .09½- —
high modulus, bgs., c.l., works lb. .05 - —
ctns., l.c.l., whse lb. .09 - —
semi-reinforcing bgs., c.l., works lb. .03½- —
ctns., l.c.l., whse lb. .07½- —
very fine, bgs., c.l., works lb. .0740- —
l.c.l., divd. or whse lb. .1125- .1179
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works lb. .10¾- —
l.c.l., works lb. .11 - —
Lamp, bgs., c.l., works lb. .07 - .30
Mineral, bgs., works lb. .0160- .0679
Black ash (see Barium sulphide).
Blackberry root, bls. lb. .12 - .13
bark of root, bls lb. .30 - .33
Black dyes (see Dyes).
Black haw, root bark, bls lb. .70 - .80
Tree bark, bls lb. .28 - .30
Black Indian hemp root, bls. lb. .45 - .50
Blanc fixe, dry, by-product, bgs., c.l., works ton. 77.50 - —
l.c.l., works ton. 85.00 - —
direct process, bgs., c.l., works ton. 85.00 - —
l.c.l., works ton. 90.00 - —
N. Y. whse ton. 106.00 - —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• Tank car and less-than-tank-car shipments
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Blanc Fixe—Cinchophen

Blanc fixe, dry, direct process, bbls., c.l., works ton 90.00 - —
l.c.l., works ton 95.00 - —
N. Y. whse. ton 115.00 - —
pulp, 65% bbls., c.l., works ton 67.00 - —
l.c.l., same basis ton 73.00 - —
Bleaching powder, dms., c.l., works, 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 5.00 - —
Blood, dried, 16-16½% ammo., bgs., unit-ton 8.50 - —
high-grade, unground, 16-17% ammon., bulk, Chicago, unit-ton 8.50 - —
soluble, bgs., c.l. lb .16½- .17½
l.c.l. lb .17½- .22
Bloodroot, bls. lb .36 - .40
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb 1.90 - —
Toner, obts., ultra flushed, same basis lb 1.05 - —
Celestial, bbls., same basis lb .15 - .16
Chinese, bbls., same basis lb .45 - —
Cobalt, genuine, bbls., same basis, lb 4.90 - —
imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb 3.75 - 3.85
80%, bbls., same basis lb 3.00 - 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb 4.20 - —
Milori, bbls., same basis lb .45 - —
Peacock, fugitive, 100% color strength, same basis lb .60 - .70
Permanent toner, green shade, molybdic, bbls., same basis lb 3.75 - —
tungstic lb 4.00 - —
Potash, CP, bbls., same basis lb .51 - —
Prussian, bbls., same basis lb .45 - —
soluble, bbls., same basis lb .45 - —
Soda, C.P., bronze, bbls., same basis lb .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb .25 - .26½
jobbing type, dry, bbls., same basis lb .14 - —
regular types, dry or pulp, bbls., same basis lb .19 - .29
Victoria toner, molybdic, bbls lb 3.75 - —
Tungstic, bbls lb 3.75 - —
Violet toner, molybdic, bbls., same basis lb 1.24 - —
Tungstic, kgs., same basis lb 2.60 - 2.70

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.

Blue dyes are listed under Dyes.

Blueflag, root, bls. lb .45 - .50

Bluestone (see Copper sulphate).

Blue vitriol (see Copper sulphate).

Boldo leaves, bls. lb .09 - .12

Bone, raw, bulk, Chicago ton 75.00 - —
junk, bulk, same basis ton 50.00 -92.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton 65.00 - —
Chicago, works ton 65.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works ton 65.00 - —
Chicago, works ton 65.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works, ton 65.00 - —
Chicago, works ton 65.00 - —
Phosphate, defluorinated (see D).
precipitated (see Calcium phosphate tribasic precip).

Boneset leaves, bls lb .14 - .16

Borage flowers, bls. lb .40 - .45

Borax, tech, anhydrous, bgs., c.l., works ton 70.50 - —
ton lots, ex whse. N. Y. or Chi ton 113.25 - —
less ton lots, same basis, ton 120.25 - —
bbls., c.l., works ton 90.50 - —
ton lots, ex whse. N. Y. or Chi ton 135.25 - —
less ton lots, same basis, ton 140.25 - —
bulk, c.l., works ton 64.00 - —
crystals, 99½% bgs., c.l., works, ton 61.25 - —
ton lots, ex whse. N. Y. or Chi ton 106.00 - —
less ton lots, same basis, ton 111.00 - —
bbls., c.l., works ton 81.25 - —
ton lots, ex whse. N. Y. or Chi ton 126.00 - —
less ton lots, same basis, ton 131.00 - —
bulk, c.l., works ton 57.25 - —
granular, 99½% bgs., c.l., works ton 35.25 - —
ton lots, ex whse. N. Y. or Chi ton 80.00 - —
less ton lots, same basis, ton 85.00 - —
bbls., c.l., works ton 55.25 - —
ton lots, ex whse. N. Y. or Chi ton 100.00 - —
less ton lots, same basis, ton 105.00 - —
bulk, c.l., works ton 31.25 - —
powdered, 99½% bgs., c.l., works ton 40.25 - —
ton lots, ex whse. N. Y. or Chi ton 85.00 - —
less ton lots, same basis, ton 90.00 - —
bbls., c.l., works ton 60.25 - —
ton lots, ex whse. N. Y. or Chi ton 105.00 - —
less ton lots, same basis, ton 110.00 - —
bulk, c.l., works ton 36.25 - —

Borax packed in kgs. is $40 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.

Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb .15 - .21
l.c.l., same basis lb .16 - .23

Borneol, cns. lb 2.75 - —

Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).

Brazilwood extract (see Hypernic).

Brimstone (see Sulphur).

Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb .21 - —
1,000 lbs., same basis lb .23 - —
single pkgs., same basis lb .28 - —
dms., lead-lined, dlvd lb .21 - —

Bromoform, USP, bots lb 1.50 - 1.70
cbys. lb 1.42 - —

Bromstyrol, bots lb 4.85 - 6.25

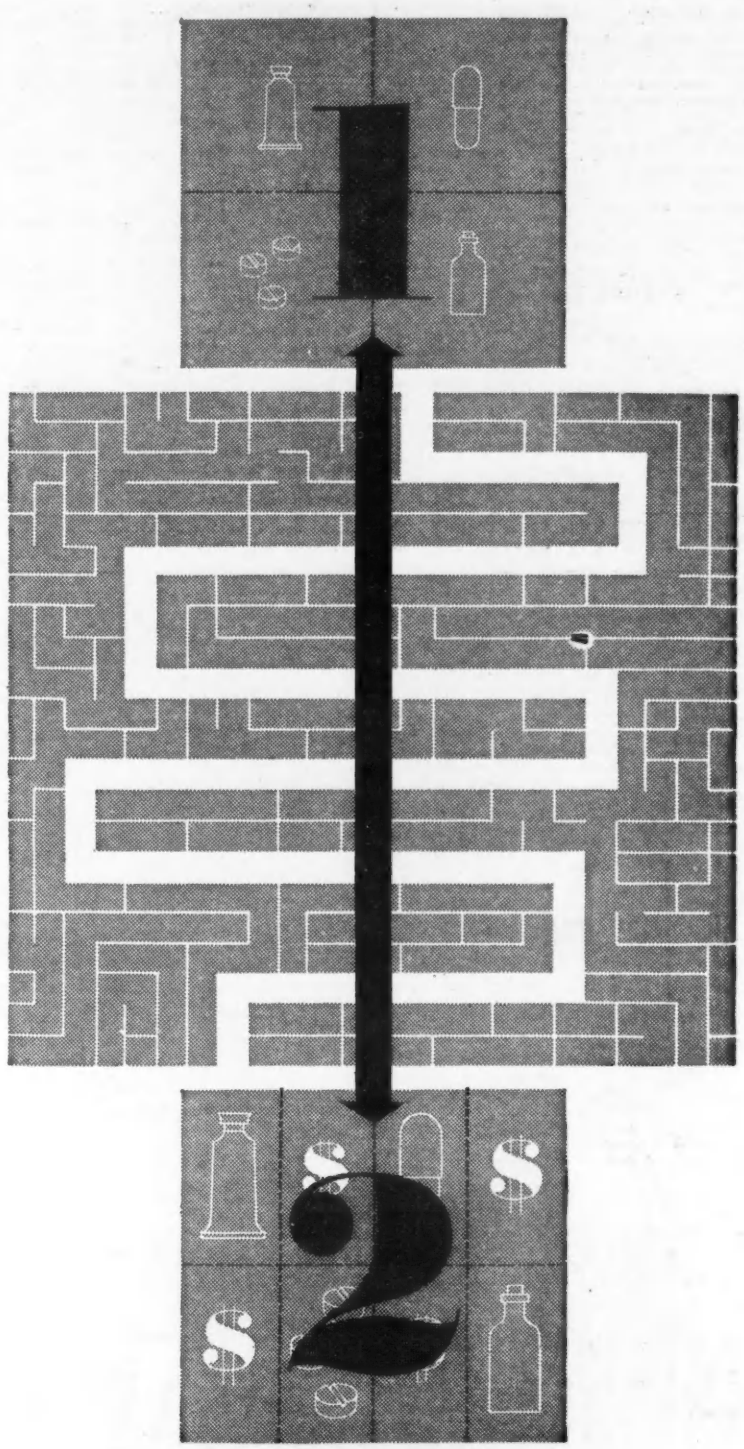
Bronze powder, aluminum (see A).
Gold, litho., cans, dms., works lb .50 - .60
moulding, cans, dms., works lb .80 - 1.00
printing ink, cans, dms., works lb .95 - 1.10
radiator, cans, dms., works lb .60 - .65

Broomtop, bls. lb .25 - .30

Brown, iron, synth., bgs., l.c.l., works lb .12½- —
Oxide, metallic, bgs., works lb .03 - .03¼
Sap, crystals, works lb .12 - —
powdered lb .13 - —
Sienna, burnt, paper bags, c.l., works lb .03¾- .14¾
l.c.l., works lb .04 - .15
raw, paper bgs., c.l., works lb .04 - .12½
l.c.l., works lb .04¼- .12¾
Phytate, bgs., works lb .28 - —
Umber, burnt, American, c.l., bbls., works lb .04¾- .05¾
l.c.l., bgs., works lb .05 - .06¼
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y. lb .05¾- .07¾
l.c.l., works lb .06 - .08
raw, American, bgs., same basis lb .03¾- .06
Turkey type, bgs., same basis lb .06 - .06¼
Vandyke, bbls., works lb .09¾- .12
Brucine, cns., 100 ozs oz .45 - —
Sulphate, NF, cns., 100 ozs oz .35 - —
Bryonia root, bls lb .29 - .35
Buchu leaves, bls lb .75 - .80
Buckthorn bark, bls lb .14 - .18
cut and sifted, bls lb .23 - .25
Berries, bgs lb .80 - .90
Burdock, root, bls lb .20 - .26
Butacaine, cyls., refy lb .19 - —
tanks, same basis lb .11½- —
Butane, indust., tanks, group 3 gal. .64 - —
Butternut bark, bls lb .19 - .25
Butyl acetate, fermentation, normal, Ill., Ind., prod., dms., c.l., works, frt. alld lb .14 - —
l.c.l., same basis lb .15 - —
tanks, same basis lb .12½- —
tankwagons, same basis lb .13 - —
other production, dms., c.l., same basis lb .14 - —
l.c.l., same basis lb .15 - —
tanks, same basis lb .12½- —
synthetic, normal, dms., c.l., same basis lb .14 - —
l.c.l., same basis lb .15 - —
tanks, same basis lb .12½- —
secondary, dms., c.l., same basis lb .11½- —
l.c.l., same basis lb .12 - —
tanks, same basis lb .10 - —
Alcohol (see Alcohol butyl)
Aldehyde, dms., c.l., works lb .17½- —
l.c.l., works lb .18½- —
tanks, works lb .16 - —
Ether (see Ether, butyl)
Isobutyl methacrylate, P-5, 50/50, cns., works lb .50 - —
Lactate, dms., c.l. frt. alld. E. of Rockies lb .42½- —
l.c.l., same basis lb .43½- —
tanks, same basis lb .41 - —
Laurate, dms., works lb .42 - —
Methacrylate, M-4, dms., works lb .60 - —
cns., works lb .63 - .67
P-4, cns., works lb .65 - —
Myristate, dms., works lb No prices.
Oleate, refd., dms., l.c.l., works lb .52 - —
Phenylacetate, dms lb 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd lb No stocks
tanks, dlvd. lb No stocks
Stearate, dms., c.l. frt. alld. E. of Rockies lb .27 - —
l.c.l., same basis lb .28½- —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium bromide, reagent, jars lb 2.64 - 2.65
Iodide, jars lb 5.00 - 5.22
Lithopone (see Yellow).
Metal, ingots or sticks, cs., dlvd. lb 2.00 - —
patent shapes, cs., dlvd lb 2.15 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, natural, USP, cryst., dms., 100 lbs. or more lb 4.75 - —
anhydrous, dms., 100 lbs. or more lb 5.00 - —
Synthetic, USP, cryst., dms., 100 lbs. or more lb 3.80 - —
anhydrous, dms., 100 lbs. or more lb 4.00 - —
Citrated, USP, dms., 100 lbs. or more lb 2.60 - —
Hydrobromide, bots lb 6.70 Nom.
Calabar beans, bgs., futures lb .65 - .66
Calamine, USP, dms lb .27 - .29
Calamus root, dom., bgs. lb .27 - .30
imported, bleached, bls lb .70 Nom.
peeled, bls lb .30 - .31
Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works gram 4.00 - —
1,000 to 10,000 s.u., works gram 4.40 - —
less than 1,000 s.u., works gram 4.80 - —
in edible oil, dms., 10,000 or more lb .10 - —
1,000 to 10,000 s.u., works unit .11 - —
less than 1,000 s.u., works unit .12 - —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld lb .09¼- —
l.c.l., same basis lb .10½- —
Bromide, NF, jars lb .75 - .85
Carbide, standard generator size, dms., c.l., dlvd ton 121.00 —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton 22.00 —
l.c.l., same basis ton 37.00 -67.00
liquor, works, basis 40%, tank-cars ton 9.00 - —
pellets, bgs., c.l. works ton 29.00 - —
solid, 73-75%, dms., c.l., works, same basis ton 20.00 - —
l.c.l., works, same basis ton 30.00 -59.00
USP, gran., bbls lb .30 - —
Chromate, bgs., frt. equald lb .29½- .30
Cyanide, dms., dlvd. E. of Rockies lb .30 - .50
Gluconate, AA, bbls., dms lb .65 - .70
USP, bbls., dms lb .58 - .65
Glycerophosphate, NF, fib., dms. lb 1.65 - 1.80
Hydride, dms., works lb .90 - —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies dm 24.00 -28.50
cns., cased (45 lbs.) same basis. cs 19.75 -21.50
Hypophosphite, 50-lb. lots, dms. lb .80 - .83
Iodide, jars lb 4.12 - —
Lactate, USP, dms lb .37 - .44
Mandelate, USP, dms., works lb 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt. alld lb .23¾- —
Nitrate, tech., works lb .07 - .09
Pantothenate, dextro, jars gram .07½- —
Phenolsulphonate, dms lb .64 - .65
Phosphate, dibasic, USP, bgs., c.l., 100 lbs. 6.75 - —
l.c.l. 100 lbs. 7.10 - 7.45
feed grade, bgs., 10 tons, works, ton 105.00 - —
one ton or over, works ton 115.00 - —
less than one ton, works ton 125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb .05¾- —
smaller lots, same basis lb .06¼- —
tribasic, bgs., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 6.95 - 7.20
Calcium resinate, precip., dms., frt. alld., works lb .24 - —
Silicate, hydrated, bgs., c.l., works lb .05½- —
l.c.l., works lb .06 - —
Stearate, precip., ctns., c.l., works, lb .32 - —
l.c.l., works lb .33 - .34
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works ton 45.00 - —
70%, bgs., c.l., works ton 50.00 - —
luminous, tins, works lb 1.25 - —
Calcium-strontium sulphide, phosphorescent, dms., works lb 1.06 - 1.50
fine particle size, dms., works lb 1.50 - 1.75
Calendula flowers, bls lb .50 - .85
Calomel, USP, fine powd., dms., lb 1.97 - 1.98
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs. lb 3.10 - 3.20
natural lbs. No prices.
synth., tech., bbls., 2,000 lbs. or more, works lb .42 - —
10 bbls. (1,500 lbs.) lb .44½- —
smaller lots lb .45 - .55
USP, gran., powd., bbls., 2,000-lb. lots lb .45 - —
1,000-lb. lots lb .46 - —
smaller lots lb .47 - —
tablets, tins, 2,000-lb. lots lb .73 - —
1,000-lb. lots lb .74 - —
smaller lots lb .75 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls lb .25 - .30
Cantharides, Chinese, cs lb 1.00 - 1.30
powd., bxs lb 1.15 - 1.50
Russian, bgs lb 4.50 - 5.00
powd., bxs lb 5.75 - 6.00
Capsicum (see Pepper, red).
Oleoresin, NF VIII, cns lb 6.50 - 6.75
Caramel coloring, NF, bbls gal 1.02 - 1.20
Caraway seed, Dutch, bgs lb .13¾- .14
Carbazole, 97%, steel dms., ton lots, works lb 1.75 - —
fib. dms., same basis lb 1.70 - —
Carbinol, butyl, secondary, dms., l.c.l., works lb .70 - —
Methylisobutyl, dms., c.l., frt. alld., E lb .13 - —
l.c.l., same basis lb .13½- —
tanks, same basis lb .11½- —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb .06¼- —
l.c.l., same basis lb .07¼- —
5-gal. dms., c.l., same basis lb .09½- —
l.c.l., same basis lb .08½- —
tankcars, same basis lb .0445- —
Dioxide, cyls lb .06 - .08
Tetrachloride, CP, dms., works lb .09 - .11½
tech., dms., E. of Rockies, c.l., frt. alld lb .08 - —
l.c.l., same basis lb .08½- —
W. of Rockies, c.l., f.o.b. stock points lb .08½- —
l.c.l., frt. alld. lb .09 - —
NF, cbys lb .17 - .19
Carboxymethylcellulose, sodium—See CMC.
Carbromal, NF, dms., 100-lb. lots, works lb 4.00 - 4.25
100-lb. lots, works lb 4.10 - 4.75
Cardamom fruit, bleached, extra fancy, cold, cs lb 3.50 - 3.55
bold, cs., afloat lb 3.40 - 3.45
medium, cs lb 3.35 - 3.40
Coorges, cs., futures lb 2.25 - 2.30
decorticated, Guatemalan, cs., futures lb 3.10 - 3.15
Indian, cs., futures lb 3.10 - 3.15
green, Alleppey, bgs., afloat lb 2.25 - 2.30
seed (See Cardamom fruit, decorticated)
Carmine, No. 40, NF, bulk, 100 lbs. or more lb 5.50 - —
smaller lots lb 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
bulk, grain quantities gm. 5.00 - —
technical, 1,350,000 A units per gram gm. 67½- —
tins, works gm. .56 - —
dry powder, 3,330 A units per gram lb .70 - —
emulsion (in milk), 500,000 A units per 16-oz. cn cn. .85 - —
in vegetable oil, 250,000 A units, per gram lb. 37.50 - —
50,000 A units per gram lb 7.87 - —
26,000 A units per gram, tins, works milli. units. .22 - —
dms., works milli. units. .20 - —
3,330 A units per gram lb .55 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .44 - —
Carvel, bots lb 10.00 -16.00
Cascara sagrada bark, bulk lb .28 - .30
Case-hardening mixture, 30% gran., dms., l.c.l., works lb .10½- —
Casein, dom., acid-precip., standard, less than 10,000 lbs. or more, ship't point lb .23 - .23½
premium, bgs., 10,000 lbs. or more, ship't point lb .23 - .24
rennet-precip., bgs., 10,000 lbs. or more, ship't point lb .28 Nom.
imp., acid-precip., ground, 100 bgs. or more, ex dock lb .18½- .18¾
Cashew nut liq., treated, dms., c.l., f.o.b. Newark, N. J. lb .21 - —
ton lots, same basis lb .22¼- —
dm. lots, same basis lb .24¼- —
Cassia bark, Batavia, longstick, bls., lb .27 - .28
broken, bls lb .26 - .27
short stick, bls lb .23 - .24
China, Canton, rolls, select, cs. lb .13 - .14
broken, bls lb .12 - .12½
Honan, rolls, scraped, bls lb .16 - .16½
broken, bls lb .15 - .15½
unscraped, bls lb .15 - .15½
broken, bls lb .14½- .15
Yunnan, rolls, scraped, bls lb .16 - .16½
broken, bls lb .15 - .15½
unscraped, bls lb .15 - .15½
broken, bls lb .14½- .15
Saigon, broken, bls lb .28 - .33
medium, bls lb .38 - .39
thin, bls lb .44 - .45
Buds, China, bgs lb .20 - .22
Cassia fistula, bskts lb .30 - .35
Castor beans, bgs., Brazilian ports long tons 112.00 - —
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton 27.50 - —
Castoreum, nat., cns lb 12.00 -45.00
synthetic, cns lb 24.00 - —
Catechol, CP, cryst., fib. dms., works lb 2.00 - —
resublimed, dms., works lb 4.00 - —
Catnip, bls lb .50 - .55
Celery seed, French, bgs lb .27 - .28
Indian, bgs. lb .25½- .26
futures, bgs. lb .25½- .26
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb .33 - .36
molding composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld. lb .40 - —
l.c.l., same basis lb .45 - .51
Cellulose acetate, flake, regular, black, dms., l.c.l., same basis lb .31 - .39
variegations, dms., l.c.l., same basis lb .50 - .59
molding and extrusion transparents, dms., c.l., same basis lb .47 - —
l.c.l., same basis lb .49 - .54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis lb .42 - —
l.c.l., same basis lb .44 - .49
Butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb .52 - —
less than 500 lbs., works lb .53 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb .45 - —
less than 500 lbs., works, lb .49 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb .50 - —
less than 500 lbs., works lb .51 - —
37% butyryl content, ctns., 500 lbs. and over, works lb .50 - .53
less than 500 lbs., works lb .51 - .54
46% butyryl content, ctns., 500 lbs. and over, works lb .53 - —
less than 500 lbs., works lb .54 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld. lb .56 - .61
regular black, dms., l.c.l., same basis lb .44 - .48
variegations, dms., l.c.l., same basis lb .51 - .56
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb .40 - —
Cerfum hydrate, dms., works lb 1.25 - —
Oxalate, NF, bbls., bgs., works lb .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works lb 2.25 - —
kgs., 100-lb. lots, works lb 1.85 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb .02½- .05½
l.c.l., ex whse lb .04 - —
paint, bgs., c.l., works ton 40.00 - —
papermakers, bgs., c.l., works ton 32.50 -40.00
rubber makers, bgs., c.l., works ton 30.00 - —
Chamomile flowers, Hungarian, cs lb .45 - .48
Roman, bls lb .95 - 1.00
Charcoal, activated, USP, fib. dms., c.l., works lb .25 - .32
5-ton lots, works lb .26½- .32½
smaller lots, works lb .27 - .50
Bone, NF, bbls lb .23 - —
Hardwood, briquets, bulk, c.l., works ton 49.80 - —
bgs., c.l., works ton 51.80 - —
granular, bgs., incl., c.l., works, ton 46.80 -50.00
lump, bulk, c.l., works ton 38.80 -43.50
bgs., extra, returnable, c.l., works ton 41.80 -45.50
Pinewood, gran., powd., bgs., c.l., works, South ton 30.00 -40.00
l.c.l., works ton 40.00 -50.00
lump bgs., c.l., works, South ton 35.00 - —
bulk, c.l., works, South ton 23.50 - —
bgs., l.c.l., works, South ton 40.00 -50.00
Willow, powd., bbls lb .06 .07
Chestnut extract, 25% tannin, bbls., c.l., works lb .0370- —
l.c.l., works lb .04 - —
tanks, works lb .0285- .03
powd., 65% tannin, bgs., extra, c.l., works lb .1040- —
l.c.l., works lb .1110- .1125
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l., works ton 12.50 -13.00
l.c.l., works ton 13.50 -14.00
bulk, c.l., works ton 9.50 -10.00
200 mesh, bgs., c.l., works ton 10.00 -12.00
l.c.l., works ton 11.00 -16.00
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works ton 13.00 - —
paper bgs., c.l., works, ton 16.00 - —
imported, white lump, bulk, c.l., ex dock, Phila., Portland, Me. gross ton 19.00 -40.00
powd., bgs., c.l., ex dock, net ton 35.00 -45.00
l.c.l., ex whse. net ton 45.00 -60.00
Chloral, tech., 94% min., dms., c.l., works lb .25 - —
l.c.l., works lb .26 - —
tanks, works lb .21 - —
Hydrate, USP, jars lb 1.05 - 1.15
Chloramine T, NF, bbls., works lb .75 - 1.00
Chlordane, agricultural, dms., l.c.l. stock points lb .52 - 1.05
refined, dms., stock points lb .87 - 1.20
Chlorinated paraffin, dms., works lb .12¼- .13½
Rubber, standard, ctns., c.l., works lb .42 - —
l.c.l., works lb .43 - —
Chlorine, liquid, cyls., c.l., works lb .07 - .12
l.c.l., stock points lb .09 - .19
tanks, single units, works, frt. equald 100 lbs. 2.40 - —
multiple units, 3 cars, works, frt. equald 100 lbs. 2.70 - —
2 cars, same basis 100 lbs. 3.30 - —
1 car, same basis 100 lbs. 3.90 - —
Chloroform, tech., dms., c.l., dlvd. E lb .20 - —
l.c.l., same basis lb .22 - —
tanks, same basis lb .16 - —
USP, dms. lb .30 - .33
Chloro(4)-2-Toluidine, bbls. lb 1.38 - —
Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots lb 4.00 - 4.50
Chloropicrin, com'l, bots lb 1.40 - —
cyls., 180-lbs., frt. alld lb .91 - —
100-lbs., same basis lb .93 - —
25-lbs., same basis lb 1.18 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb 8.50 - —
5-lb. pkg. lb 9.00 - —
1-lb. pkg. lb 9.50 - —
Choline chloride, fib. dms., works lb 2.90 - 3.00
Dihydrogen citrate, fib. dms., works, lb 3.00 - 3.10
Chromium acetate, powd., 72% Cr., bbls., works lb No stocks
solut., 7%, bbls., cs lb .08 - .08½
8½%, bbls., cs lb No stocks
Fluoride, bbls., works lb .44½- —
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, solid, bbls lb .49 - —
Trioxide, USP, bots lb .82 - —
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots lb 7.65 - 9.24
Cinchona bark, NF, red, quill, 20-inch, cs lb 1.26 Nom.
broken, bgs lb .40 - .45
yellow, broken, bgs lb .35 - .40
Cinchonidine, small cryst., cns., 100 ozs oz .71 - —
Sulphate, cns., 100 ozs oz .55 - —
Cinchonine, large cryst., cns., 100 ozs oz .69 - —
small cryst., cns., 100 ozs oz .65 - —
Sulphate, NF, cns., 100 ozs oz .42 - —
Cinchophen, NF, heavy, dms., works, lb 3.70 - 4.05
Standard, dms., works lb 3.50 - 3.85



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Cinchophen-Sodium—Diatomaceous Earth

Cinchophen-sodium, standard, dms., works lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, cbys., cns., dms lb. .83 - .90
Cinnamon, Ceylon, No. 2, bls lb. .21½- .22
Citral, bots., cns lb. 3.60 - 5.05
Citronellal, bots., dms lb 2.50 4.75
Citronellol, bots., dms lb. 2.95 4.75
Civet, bots oz. 4.00 - 5.00
artificial, bots lb.15.00 - —
Clove, Madagascar, bls. lb. .19 - .19½
futures, bls. lb. No offering
Zanzibar, bls. lb. .18½- .19
futures lb. .18½- .19
Clover tops, red, dom., bgs lb .55 65
imported, bgs lb No stocks
CMC, purified, high vis., ctns., 20,000 lbs. or over, works, frt. alld lb. 63 —
smaller lots, same basis lb 65 75
low and medium vis., ctns., 20,000 lbs. or over, works, frt alld lb. 60 —
smaller lots, same basis lb. 62 72
tech., low vis., dms., c.l., works lb. .30 —
l.c.l., works lb. .32 —
Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., ex-whse, gal. 23½ —
l.c.l., ex-whse gal. 25 - —
tanks, ex-whse gal. 13½- —
Coaltar, coal-gas, water-gas, refd., resale, bbls., c.l., ex-wnse. refd., resale, bbls., c.l., ex-wnse. gal. 24½- —
l.c.l., ex-whse gal. 26 - —
tanks, ex-whse gal. 14½- —
Cobalt acetate, bbls., dlvd lb. 93½ —
Carbonate, powd., bgs., works lb 1.65 —
feed grade, 49½% Co, kgs lb 1.65 —
Chloride, kgs., works lb 91¼ —
feed grade, 24.5% Co, kgs lb. .91¼ —
Cobalt hydrate, bbls. lb. 2.13 - —
feed grade, 62% Co, kgs lb. 2.13 - —
Linoleate, paste, 6% Co, dms. lb. .57 - —
solid, 8½%, Co, dms lb. .66½- —
8% Co, dms lb. 62½- —
Metal, 97-99%, kgs., ex-whse lb. 1.80 - —
under 100 lbs., ex-whse lb. 1.82 1.87
Naphthenate, liq., 6% Co, dms. lb. .37¼ —
Nitrate, feed grade, 20.4% Co, bbls. lb. .78¾- —
Oxide, black, kgs lb. 1.38 - —
Phosphate, feed grade, 34%, Co, kgs lb. 1.31¼- —
Resinate, fused, 3% Co, dms lb. .22¼- —
Sulphate, bgs. lb. .68¼- —
feed grade, 21% Co, kgs lb. 1.05 —
Cobalt salts, prices are on dlvd., basis
Cobalt-ammonium sulphate, 14% Co, kgs lb. .75 - —
Cocaine, USP, cns., 100-oz oz.15.00 - —
Hydrochloride, cns., 100-oz. lots oz.11.75 - —
Cochineal, gray, bgs lb. 67 - .68
silver, Teneriffe, bgs lb. 69 - .70
Cocuana bark bgs lb. 16 - .17
Cocoa butter, bgs lb. .52 - .52½
Codeine, NF, cns., 100 ozs oz.13.25 - —
Hydrochloride, cns., 100 ozs oz.11.85 - —
Phosphate, USP, cns., 100 ozs oz.10.25 - —
Sulphate, USP, cns., 100 ozs oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls. lb 24 .26
Blue, root, bls lb. .17 .19
Colchicine, USP, bots., cns oz.86.00 -96.00
Colchicum root, bls lb .60 - .70
Seed, bgs lb 2.25 2.50
Collodion, USP, dms lb 24 .29
Flexible, USP, dms lb .25½ .30½
Colocynth, pulp, bls lb. .30 - .35
Colombo root, bls lb. .18 .23
Coltsfoot leaves, bgs lb. .30 - .35
Condurango bark, bgs lb. .18 - .20
Copaiba balsam, cns., dms lb. .58 - .60
Copper acetate, cupric, bbls., works lb. .28 - —
smaller containers, works lb. .29 - .30
Carbonate, 55%, bgs., works lb. .1860- .2575
Chloride, anhyd., bbls., works lb. .25½- —
crystals, bbls., works lb. .17¾- —
Citrate, USP, 5-lb. bots lb. 2.40 - —
Cyanide, tech., bbls lb. .46½- —
Gluconate, dms., cns lb. 3.00 - 3.20
Hydrate, dms., dlvd. E. Miss lb. .24¼- .25¼
Metal, electrolytic, dlvd lb. .18½- —
Naphthenate, liquid, 8% Cu, dms., frt. alld lb. .22¼- —
Nitrate, tech., cryst., bbls., works. lb. .22¼- —
Oleate, liquid, 8.5% Cu, bbls lb. .27 - —
solid, 10% Cu, bbls lb. .39 - —
Oxide, black, bbls., works lb. .25½- .26⅞
red, com'l, bbls., works lb. .26⅞- .30⅝
Oxychloride-sulphate, bgs., frt. alld lb. 24¼ 27¼
Quinolate, fib. dms. lb. 3.50 - —
Resinate, precip., dms., frt. alld. lb. .23½- —
Stearate, bgs., works lb. .39½- —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 7.00 - 7.25
l.c.l. 100 lbs. 7.25 - 8.25
CP, cryst., gran., dms., works lb. .12¾- —
monohydrated, 35%, dms., c.l., dlvd 100 lbs.11.90 -13.00
tribasic, dealers, bgs., c.l., works lb. .1815- .2245
l.c.l., works lb. .2050- .2345
USP, gran., cryst., dms lb. .10 .26
Copperas, cryst., gran., bgs., c.l., works ton.17.00 —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton.20.00 - —
bulk, c.l., works ton.14.00 - —
Copra, c.i.f., Atlantic, Gulf ports ton.187.50 - —
Pacific ports ton.182.50 - —
Coriander seed, Argentine, bgs lb. .66 - .68½
Italian, bgs lb. .07 Nom.
Moroccan, bgs. lb. .09 - .09¼
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 5.59 - —
bbls., c.l., same basis 100 lbs. 5.65 - —
Syrup, 42°, bbls., c.l 100 lbs. 5.97 - —
l.c.l. 100 lbs. 6.12 - —
Cornsilk, bls lb. .15 - .19
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls lb. .25 - .30
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, sacked, c.l., mills ton.64.00 -65.00
Coumarin, cns., 25 lb lb. 2.75 - —
smaller lots lb. 2.90 - 2.90
powd., cans lb. 3.00 - 3.05
Cramp bark, NF, bls lb. .60 Nom.
Cranesbill root, bls lb. .28 .30
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship lb. .27½- —
smaller lots lb. .28 - .29
imported, kgs. lb. .22 - .24
Creosote, coaltar, crude, tanks, works, frt. equald. gal. .14 - .15
refined, dms., c.l., works gal. .38½- —
l.c.l., same basis gal. .39 - —
tanks, same basis gal. .25 - —
solution, 80%, tanks, works gal. .20 - —
NF, beechwood, bots, cbys lb. 1.15 - 1.20
hardwood, bots, cbys lb. .85 - —
Pinewood, dms gal. .31 - .33
Carbonate, NF, bots., cbys lb. 2.35 2.40
Cresol, tech., dry, above 207°C. non-non-ret. dms., c.l. frt. equald. lb. .1235- —
l.c.l. same basis lb. .1285- —
ret.-dms., c.l., same basis. lb. .1225- —
l.c.l. same basis lb. .1255- —
tanks, same basis lb. .1125- —
USP, non-ret., dms., c.l., same basis lb. .1280- —
l.c.l., same basis lb. .1310- —
ret., dms., c.l., same basis lb. .1250- —
l.c.l., same basis lb. .1280- —
tanks, same basis lb. .1150- —
Crotonaldehyde, 91-93%, dms., c.l works lb. .16½- —
l.c.l., works lb. .17 - .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs.12.75 - —
bbls., l.c.l., works 100 lbs.13.75 - —
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .30 - —
extract liquid 1% rotenone, dms., works gal. 1.50 - —
Cubeb berries, XX NF bgs lb. .35 - .45
powd., cs. lb. .45 - .55
Culvers root, bbls lb. .50 - .60
Cumene, dms., c.l. lb. .68 —
l.c.l. lb. .09 - —
tanks gal. .53 .56
Cumin seed, Morocco, bgs lb. .15½- .16
Persian, bgs lb. .15½- .16
Syrian, bgs. lb. .16 - .16¼
Cutch, extract, 55% tannin, bgs., ex dock lb. .07 - —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Out., contracts, bulk ton.46.50 - —
pulv., 21% N., bgs., same basis unit-ton. 2.55 - —
Cyclohexane, tech., dms., c.l., works. lb. .09½- .12½
l.c.l., works lb. .10 - .13
tanks, works lb. 08 - .11½
Cyclohexanol, tech., dms., c.l., works. lb. .21½- —
l.c.l., works lb. .22 - —
tanks, works lb. .20 —
Cyclohexanone, tech., dms., c.l., works lb. .26½- .30
l.c.l., works lb .27 - .31
tanks, works lb .25 .29
Cyclohexylamine, dms., works lb. .34 - —
Cyclopropane, USP, 2 lb. cyls, works, cyl.40.00 - —
6 oz. cyls., works cyl.10.50 - —
Hospitals, cyls., 40 gal. lots gal. .32 - —
100-gal. lots gal. .31 - —
200-gal. lots gal. .30 - —

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2, 4-D, bbls., c.l., works, frt. equald. lb. .43 - —
l.c.l., same basis lb. .48 - .55
Isopropyl ester, dms., c.l., works lb. .49 - —
l.c.l., works lb. .54 - .61
Damiana leaves, bls lb. .40 45
Dandelion root, bls lb. .35 40
DDD, tech., fine grd., fib. dms., c.l., works lb. .51 —
l.c.l., works lb. .51½- —
lump, fib. dms., c.l., works lb. .49 - —
l.c.l., works lb. .49½- —
DDT, fiber dms., c.l., works lb. .32 —
smaller lots, works lb. .31 .34
Decanol, normal, tech., dms., c.l., dlvd lb. .34½- —
l.c.l., dlvd. lb. .36½- —
tanks, dlvd. lb .32 —
Deertongue leaves, bls lb. .30 .35
Defluorinated phosphate, 85% b.p.l., paper bgs., works ton 44.15 55 75
Rock, 14½%P, paper bgs., works ton.45.00 —
Degras, common, bbls lb. .11 .12
Neutral, less 2% ffa., bbls lb. .22 .23
over 2% ffa., bbls lb. .21 .22
Derris root, 5% rotenone powd lb .33 Nom.
Desoxyephedrine hydrochloride, dms., lb. 9.00 - —
Dextrin, corn, British gum, paper bgs., c.l. 100 lbs. 7.00 - —
Chicago 100 lbs. 6.35 - —
l.c.l. 100 lbs. 7.15 - —
canary, paper bgs., c.l. 100 lbs. 6.74 - —
Chicago 100 lbs. 6.09 - —
l.c.l. 100 lbs. 6.89 - —
dark, paper bgs., c.l. 100 lbs. 6.84 - —
Chicago 100 lbs. 6.19 - —
l.c.l. 100 lbs. 6.99 - —
white, paper bgs., c.l. 100 lbs. 6.59 - —
Chicago 100 lbs. 5.94 - —
l.c.l. 100 lbs. 6.74 - —
Corn dextrin in bgs., 17c. per 100 lbs. higher.
Potato, bgs lb. 11¼- .11⅞
Tapioca, pure, envelope, bgs lb. 16 - .16½
Dextrose, USP, dms lb 17¾ —
Diacetone (see Alcohol, diacetone)
Diacetyl, flavor grade, bots lb 5.00 5.55
laboratory grade, bots 100 grams. 4.50 —
tech., bots., works lb 3.00 —
Diamyl ether (see Ether, amyl)
Phthalate, dms., c.l., dlvd. E lb .35½- —
l.c.l., dlvd. E lb. .36½- —
tanks, dlvd. E lb .34 —
Diamylphenols, mixed, dms., c.l., works lb .31 —
l.c.l., works lb .32 —
tanks, works lb .30 —
Dianisidin, dms lb 1 65 —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton.50.00 52.00
California ton.38.00 40.00
l.c.l., ex whse ton 80.00 —
purified, bgs., c.l., Atl. coast ton.62.00 —
California ton.50.00 —
l.c.l., ex whse ton.90.00 —

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DDT Government Specifications

2,4-D Acid, Salt and Isopropyl Ester

TRICRESYL PHOSPHATE

ERGOSTEROL
(Non Irradiated)

MONTROSE CHEMICAL COMPANY
LISTER AVENUE, NEWARK, NEW JERSEY
SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N.Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

Diatomaceous earth imported, Algerian, bgs., c.l., Atlantic coast ..ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast ..lb. .03 - —
l.c.l., Atlantic coast ..lb. .06 - —
Dibenzyl sebacate, dms., c.l., works. lb. .66½- —
l.c.l., works ..lb. .67 - —
tanks, works ..lb. 65 - —
Dibutoxyethyl sebacate, dms., c.l., works lb. .55½- —
l.c.l. works ..lb. .56 - —
tanks, works ..lb. .54 - —
Dibutyl phthalate, dms., c.l. dlvd lb. .30½- —
l.c.l., dlvd ..lb. .31½- —
tanks, dlvd ..lb. .29 - —
Sebacate, dms., c.l., works ..lb. .51 - —
l.c.l., works ..lb. .51½- —
tanks, works ..lb. .49½- —
Tartrate, dms., works, frt. alld lb. .92 - 1.02
Dibutylamine, dms., c.l., frt. alld lb. .51½- .52½
l.c.l., frt. alld ..lb. .52½- .53½
tanks, frt. alld ..lb. .49 - .50
Dicapryl sebacate, dms., c.l., works. lb. .54½- —
l.c.l., works ..lb. .55 - —
tanks, works ..lb. .53 - —
Dichloroanilin, dms., works ..lb. .75 - 80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., frt. equald ..lb. .28 - —
Dicyclohexylamine, dms., works lb. .38 - —
Dicyclohexylphthalate, fib. dms., c.l., works lb. .42½- —
l.c.l., same basis ..lb. .43 - —
Diethanolamine, dms., c.l., E ..lb. .26½- —
l.c.l., same basis ..lb. .27½- —
tanks, same basis ..lb. .25 - —
Diethyl carbonate, dms., c.l., frt. alld lb. .36½ —
l.c.l., same basis ..lb. .37½ —
tanks, same basis ..lb. .35 - —
Maleate, dms., c.l., dlvd ..lb. .45 - —
l.c.l., dlvd ..lb. .49 - .52½
tanks, dlvd ..lb. .43½- —
Oxalate, dms., c.l., frt. alld ..lb. .34½- .35½
l.c.l., same basis ..lb. .35½- .36½
tanks, same basis ..lb. .34 - —
Phthalate, dms., c.l., dlvd ..lb. .26 - 27½
l.c.l., dlvd ..lb. .27 - .28
tanks, dlvd ..lb. .24½- .26
Sulphate, dms., c.l., works ..lb. .16 - —
l.c.l., works ..lb. .16½- —
tanks, works ..lb. .14½- —
Diethylamine, dms., c.l., frt. alld lb. .57 - —
l.c.l., works ..lb. .57½- —
tanks, works ..lb. .55½- —
Diethylanilin, dms. ..lb. .48 —
Diethyleneglycol, dms., c.l., frt. alld. E lb. .17½- —
l.c.l., same basis ..lb. .18½- —
tanks, same basis ..lb. .16 - —
Diethylether, dms., l.c.l., works.lb. .40 - —
Monobutylether, dms., c.l., works. lb. .26 - —
l.c.l., works ..lb. .26½- —
tanks, works ..lb. .24½- —
Monobutylether acetate, dms., c.l., works. lb. .27½- —
l.c.l., works ..lb. .23 - —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works ..lb. .18½- —
tanks, works ..lb. .16½- —
Monoethylether, acetate, dms., c.l., works. lb. .24 - —
l.c.l., works ..lb. .24½- —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l., works ..lb. .22½- —
tanks, works ..lb. .20½- —
Diethylenetriamine, dms., c.l., works. lb. .42 - —
l.c.l., works ..lb. .42½- —
tanks, works ..lb. .40 - —
Diethylethanolamine, dms., c.l., works. lb. .61½- —
l.c.l., same basis ..lb. .62½- —
tanks, same basis ..lb. .60 - —
Diethylstilbestrol, USP, bots . kilo. 260.00 - 300.00
Digitalin, cryst., bots ..gram. 15.00 - 18.00
powd., bots ..oz. 25.00 - 30.00
Digitalis leaves, dms ..lb. .70 - .85
Digitoxin, USP, bots ..gram. 15.00 - —
Diglycol laurate, dms ..lb. .34 - .36
Oleate, light, dms ..lb. .26 - .28
Stearate, dms ..lb. .27 - .29
Dihexyl sebacate, dms., c.l., works, lb. .42½- —
l.c.l., works ..lb. .43 - —
tanks, works ..lb. .41 - —
Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials. gram. .80 - —
wholesalers, vials ..gram. .64 - —
Dihydroxydichlorodiphenylmethane, dms lb. .95 - 1.00
smaller containers ..lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l. dlvd. lb. .14 - —
l.c.l., dlvd ..lb. .14½- —
tanks, dlvd ..lb. .12½- —
Di-isobutylene, dms., c.l., works lb. .07 - —
l.c.l., works ..lb. .07½- —
tanks, works ..lb. .05½- —
Di-isooctyl phthalate, dms., c.l., dlvd. lb. .41½- —
l.c.l., same basis ..lb. .42½- —
tanks, same basis ..lb. .40 - —
Dillseed, natural, bgs ..lb. .11 - .11½
dewhiskered, bgs ..lb. .12 - .13½
Dimethyl phthalate, dms., c.l., dlvd. lb. .26½- —
l.c.l., dlvd ..lb. .27 - —
tanks, dlvd ..lb. .25 - —
Sebacate, dms., c.l., works ..lb. .69½- —
l.c.l., works ..lb. .70 - —
tanks, works ..lb. .68 - —
Sulphate, 55-gal. ret., dms., c.l., works ..lb. .15 - —
l.c.l., works ..lb. .16 - —
10-gal. ret., dms., works ..lb. .16½ —
Dimethylamine, 25%-40%, dms., c.l., works, basis 100% ..lb. .37 - .38
l.c.l., works, basis 100% ..lb. .38 - .38½
tanks, works, basis 100% ..lb. .33 - —
Dimethylanilin, dms., c.l. ..lb. .23 - —
l.c.l. ..lb. .25 - —
tanks ..lb. .21 - —
Dimethylethanolamine, dms., c.l., works ..lb. 1.59 - —
l.c.l., works ..lb. 1.60 - —
Dinitroanilin, dms., frt. equald ..lb. .50 - —
Dinitrobenzene, crude, bbls ..lb. .16 - —
Dinitrochlorobenzene, 47%, m.p., c.l., dms ..lb. .13½- .14
l.c.l. ..lb. .14 - —
tanks ..lb. .13¼- —
Dinitrophenol, bbls. ..lb. .28 - —
Dinitrotoluene, oily, dms ..lb. .07 - .09
refd., dms. ..lb. .21 - —
Dinonylnaphthalene, c.l., dms., works ..lb. .13 - —
l.c.l., dms., works ..lb. .14 - —
tanks, works ..lb. .12 - —
Dioctyl phthalate, dms., c.l., frt. alld ..lb. .41¼ —
l.c.l., frt. alld ..lb. .42½- —
tanks, frt. alld ..lb. .40 - —
Diorthotolylguanidin, dms., ton lots, dlvd ..lb. .48 - —
smaller lots, dlvd ..lb. .50 - —
Dioxan, dms., c.l., frt. alld ..lb. .25 - —
l.c.l., same basis ..lb. .25½- —
tanks, same basis ..lb .23½- —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .34 - —

Dipentene, dest.-dist., dms, incl., c.l., works, South ..gal. .33 - .33
l.c.l., same basis ..gal. .36 - .55
N. Y. whse ..gal. .46 - —
tanks, works, South ..gal. .20 - —
steam-dist., dms., c.l., works, South ..gal. .36 - —
l.c.l., works, South ..gal. .46 - —
dlvd. N. Y ..gal. .52 - —
Diphenyl, bbls., c.l., works ..lb. .15 - —
l.c.l., works ..lb. .16 - 20
Oxide, perfume grade, cns. dms. lb. .43 - .52
Diphenylamine, bbls. ..lb .26 —
Diphenylguanidin, dms., ton lots lb. .39 - —
smaller lots ..lb. .40 —
Diphenylhydantoin-sodium, USP, dms. lb. 3.50 - 3.75
Dipropyleneglycol, dms., c.l., frt. alld ..lb. .14½- —
l.c.l., same basis ..lb. .15½- —
tanks, same basis ..lb. .13 - —
Dipropyleneglycol methylether, dms., c.l., frt. equald lb. .18 - —
l.c.l., same basis ..lb. .18½- —
tanks, same basis ..lb. .16½ —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works ..lb. .33 - —
tanks, works ..lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .94 - —
l.c.l., works ..lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ..ton. 64.00 - —
Divinylbenzene, 18%, dms., c.l., works ..lb. .25 - —
l.c.l., works ..lb. .26 - —
tanks, works ..lb. .24 - —
40%, dms., c.l., works ..lb. .55 - —
l.c.l., works ..lb 60 - 65
Dodecyltoluene, dms., c.l., works lb. .14 - —
l.c.l., works ..lb. .15 - —
tanks, works ..lb. .13 - —

Diatomaceous Earth, Imported—Dyes, Coaltar, General Use

Doggrass root, dom., cut, bls ..lb. .20 - .24
imp., NF, cut, bls ..lb. .25 - .30
Dogwood bark, Jamaica ..lb. .10 - .14
Dragon's blood, drops, cs ..lb. .45 - .47
mass, cs ..lb. 1.10 - 1.25
reeds, cs ..lb. 1.75 - 2.00
Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots:—
Blue, FD&C, No. 1, cns. ..lb. 17.00 - 17.60
No. 2, cns. ..lb. 17.00 - 17.60
Green, FD&C, No. 1, cns. ..lb. 17.00 - 17.60
No. 2, cns. ..lb. 22.20 - 22.85
No. 3, cns. ..lb. 35.25 - 35.90
Orange, FD&C, No. 1, cns. ..lb. 3.65 - 3.75
No. 2, cns. ..lb. 4.55 - 4.75
Red, FD&C, No. 1, cns. ..lb. 7.55 - 7.85
No. 2, cns. ..lb. 4.00 - 4.10
No. 3, cns. ..lb. 22.20 - 22.85
No. 4, cns. ..lb. 7.20 - 7.50
No. 32, cns. ..lb. 5.30 - 5.40
Yellow, FD&C, No. 1, cns. ..lb. 10.50 - 11.05
No. 3, cns. ..lb. 3.30 - 3.40
No. 4, cns. ..lb. 3.30 - 3.40
No. 5, cns. ..lb. 4.00 - 4.10
No. 6, cns. ..lb. 4.00 - 4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—
Black, D&C, No. 1, cns. ..lb. 10.95 - —
Blue, D&C, No. 4, cns. ..lb. 13.55 - —
Brown, D&C, No. 1, cns. ..lb. 16.10 - —
Green, D&C, No. 5, cns. ..lb. 16.10 - —
No. 6, cns. ..lb. 16.10 - —
No. 7, cns. ..lb. 14.80 - —
Orange, D&C, No. 3, cns. ..lb. 10.95 - —
No. 4, cns. ..lb. 20.05 - —
No. 5, cns. ..lb. 5.70 - —
No. 10, cns. ..lb. 20.70 - —
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—
Red, D&C, No. 8, cns. ..lb. 3.75 - —
No. 9, cns. ..lb. 3.75 - —
No. 10, cns. ..lb. 3.00 - —
No. 11, cns. ..lb. 2.25 - —
No. 12, cns. ..lb. 3.00 - —
No. 17, cns. ..lb. 10.95 - —
No. 18, cns. ..lb. 24.00 - —
No. 21, cns. ..lb. 4.70 - —
No. 22, cns. ..lb. 10.95 - —
No. 28, cns. ..lb. 24.65 - —
No. 33, cns. ..lb. 17.45 - —
Violet, D&C, No. 1, cns. ..lb. 16.10 - —
No. 2, cns. ..lb. 16.10 - —
Yellow, D&C, No. 7, cns. ..lb. 10.95 - —
No. 8, cns. ..lb. 10.95 - —
No. 10, cns. ..lb. 13.50 - —
No. 11, cns. ..lb. 13.50 - —
No. 22, cns. ..lb. 9.15 - —
No. 33, cns. ..lb. 14.65 - —
No. 37, cns. ..lb. 13.55 - —
Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots:—
Green, Ext. D&C, No. 1, cns. ..lb. 16.10 - —
Red, Ext. D&C, No. 1, cns. ..lb. 13.50 - —
Yellow, Ext. D&C, No. 1, cns. ..lb. 10.95 - —
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
20 Chrysodine G. ..lb. .59 - —
27 Orange G. ..lb. .71 - —
31 Amido naphthol red G. ..lb. .59 —
36 Alizarine yellow 2G ..lb. .76 - —
40 Alizarine yellow R ..lb. .97 - —
57 Amido naphthol red 6B ..lb. .90 - —
79 Ponceau R ..lb. .68 - —
151 Orange II ..lb. .44 - —
165 Red lake C ..lb. 1.05 - —
179 Azo rubine ..lb. .95 - —
176 Red lake A ..lb. .80 - —

- FOR LOW COLOR
- FOR STABILITY
- FOR DEPENDABLE PERFORMANCE

Eastman Plasticizers

We will be pleased to send you copies of our bulletin, "PLASTICIZERS," containing specifications, properties, and typical uses of all EASTMAN Plasticizers.

TENNESSEE EASTMAN CORPORATION
Subsidiary of Eastman Kodak Company
KINGSPORT, TENNESSEE

SALES REPRESENTATIVES: New York—10 E. 40 St.; Cleveland—Terminal Tower Bldg.; Chicago—360 N. Michigan Ave. West Coast: Wilson & Geo. Meyer & Co., San Francisco—333 Montgomery St.; Los Angeles—4800 District Blvd.; Portland—520 S.W. Sixth Ave.; Seattle—1020 Fourth Ave., So.

Dyes, Coaltar, General Use—Ethylmorphine Hydrochloride

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

180	Diamond blue 3B	lb.	.84	—
185	Cochineal red A	lb.	.85	—
202	Chrome blue black R	lb.	.62	—
203	Chrome black T	lb.	.72	—
208	Sulphon acid blue R	lb.	.83	—
216	Acid alizarin red B	lb.	.77	—
234	Resorcin brown	lb.	.82	—
240	Naphthol blue black	lb.	.78	—
278	Benzo fast red SBL	lb.	2.74	—
289	Sulphon cyanine 5R extra	lb.	1.00	—
299	Diamond black F	lb.	1.78	—
304	Nerol 2B	lb.	1.84	—
326	Benzo fast orange S	lb.	1.45	—
332	Bismarck brown R	lb.	.76	—
355	Chrysophenine	lb.	2.14	—
362	Diamine black BH	lb.	1.51	—
401	Diamine black BH	lb.	.53	—
405	Benzo blue 2B conc	lb.	.96	—
419	Diamine fast red F	lb.	1.05	—
420	Diamine brown M	lb.	.82	—
448	Benzo purpurine 4B	lb.	1.08	—
518	Diamine sky blue FF	lb.	1.48	—
561	Trisulphon brown B	lb.	1.78	—
581	Direct deep black EW extra, double paste	lb.	.81	—
593	Diamine green B	lb.	.60	—
598	Congo brown G	lb.	1.20	—
620	Sun yellow	lb.	.84	—
630	Xylene light yellow	lb.	1.77	—
640	Tartrazine	lb.	1.34	—
655	Auramine	lb.	1.69	—
657	Malachite green	lb.	1.93	—
662	Brilliant green	lb.	2.55	—
667	Brilliant milling green B	lb.	3.27	—
671	Glaucine	lb.	1.54	—
680	Methyl violet B	lb.	.95	—
681	Crystal violet	lb.	1.91	—
698	Formyl violet S4B	lb.	1.51	—
720	Chrome azurol B	lb.	3.60	—
729	Victoria blue B	lb.	2.48	2.68
737	Wool green S	lb.	2.14	—
749	Rhodamine B	lb.	3.85	—
814	Chloramine yellow	lb.	2.76	—
841	Safranine	lb.	2.58	—
863	Nigrosine WSJ 78	lb.	.56	—
922	Methylene blue GXX	lb.	1.28	—
969	Hydron blue R	lb.	.72	—
978	Sulphur black T extra	lb.	.28½	—
1027	Alizarin VI	lb.	.64	—
1034	Alizarin red S	lb.	2.30	—
1054	Alizarin saphiro B	lb.	2.59	—
1078	Alizarin cyanine green	lb.	2.61	—
1085	Alizarin blue black B	lb.	2.13	—
1090	Indanthrene golden orange G, single paste	lb.	1.96	—
	double paste	lb.	3.92	—
1099	Indanthrene dark blue BO, single paste	lb.	1.72	—
1101	Caledon jade green	lb.	2.33	—
1106	Indanthrene blue RS, double paste	lb.	2.52	—
1113	Indanthrene blue GCD, double paste	lb.	1.72	—
1150	Indanthrene olive R, single paste	lb.	1.08	—
1151	Indanthrene brown R, single paste	lb.	1.65	—
	double paste	lb.	3.29	—
1212	Indanthrene red violet RH, single paste	lb.	1.84	—
1217	Helindon orange R, single paste	lb.	1.57	—
p-4	Acid anthracine brown P.G.	lb.	2.48	—
p-14	Anthracene chromate brown EB	lb.	1.25	—
p-24	Benzo fast black L	lb.	1.94	—
p-80	Diazo-brilliant scarlet ROA	lb.	2.55	—

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype):

p-202	Zambesi black V	lb.	.97	—
p-244	Celliton scarlet B	lb.	1.25	—
p-313	Naphthol AS-SW	lb.	2.74	—

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.

Black, blue, No. 550	lb.	.72	—
Jet, No. 551	lb.	.79	—
Brown, R, conc	lb.	1.44	—
Orange R, brilliant	lb.	.80	—
Red 4 B, conc	lb.	1.22	—
Yellow, C	lb.	1.05	—
FN, conc	lb.	1.08	—

Dyes, coaltar, for stains, spirit-soluble, 100-lb dms., sellers' works,

Auramine, O	lb.	1.66	—
Black, basic, blue	lb.	1.08	—
Jet	lb.	1.08	—
Blue, methylene, 2 B, conc	lb.	1.44	—
Brown, Bismarck, R, conc	lb.	.78	—
Chrysodine, R, extra	lb.	.54	—
Y extra	lb.	.58	—
Fuchsine, conc	lb.	2.34	—
Green, malachite, conc	lb.	1.80	—
Rhodamine, B	lb.	3.97	—
Safranine, Y, conc	lb.	2.66	—
Violet, methyl, B	lb.	1.02	—

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.

Black, acid blue, B extra	lb.	.76	—
Orange, acid, Y, conc	lb.	.43	—
Rhodamine, azo- R, extra conc.			
Rhodamine, R, extra, conc	lb.	3.97	—
Scarlet, croceine, MOO	lb.	1.33	—
Yellow, azo-, conc	lb.	.32	—
Fast light, 3 G, extra	lb.	1.99	—
Methanil, conc	lb.	.83	—

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

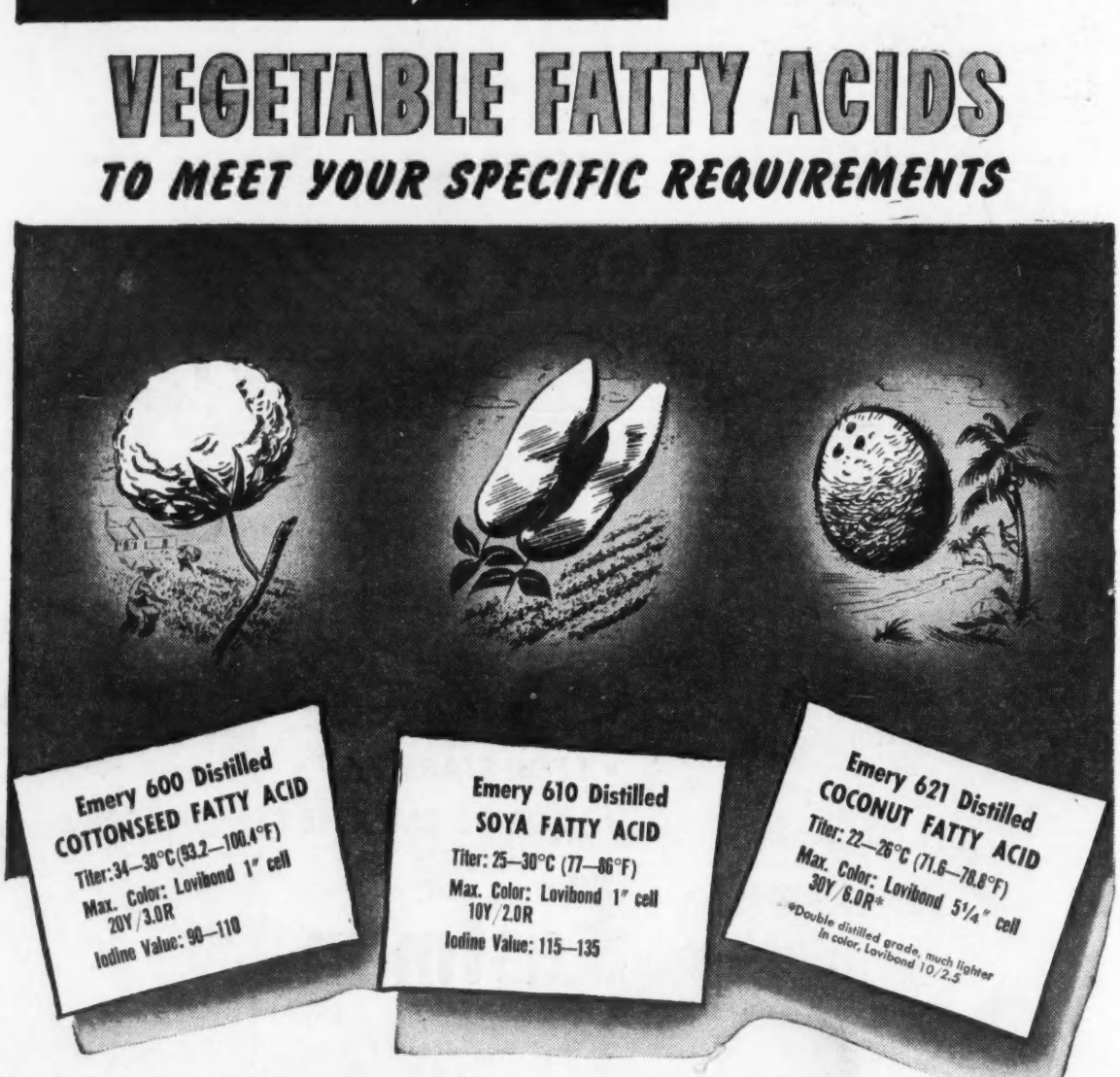
E

Echinacea root, bls	lb.	.43	.53
Egg albumen (see Albumen).			
Yolk, dried, dom., bbls	lb.	1.35	1.45
tanners, bbls	lb.	.06½	.07
Elder flowers, bright, bls	lb.	.40	.50
Elecampane root, bls	lb.	.22	.28
Elm bark, grinding, bls	lb.	.30	.35
powd., bbls., bxs	lb.	.40	.45
select, bndls	lb.	.55	.60
Emetine hydrochloride USP, bots	oz.	38.75	42.00
Ephedra herb, bls	lb.	.25	.32
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs	oz.	.98	—
hydrous, bots., 100 ozs	oz.	.92	—
Hydrochloride, tin, 100 ozs	oz.	.75	—
Sulphate, cryst., tins, 100 ozs.	oz.	.72	—
powd., tins, 100 ozs	oz.	.73	—
Epichlorohydrin, dms., c.l., works	lb.	.36½	—
l.c.l., works	lb.	.37	—
tanks, works	lb.	.35	—
Epinephrine, synth., USP, bots	gram.	.45	.50
Epsom salt, tech., bgs., c.l., works, 100 lbs.	100 lbs.	2.15	—
l.c.l., works	100 lbs.	2.90	3.15
USP, cryst., bgs., c.l., works	100 lbs.	2.35	—
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	3.10	—
smaller lots	100 lbs.	3.35	—
Ergot, NF, dms., tin-lined	lb.	3.75	Nom.
Eserine, bots.	oz.	45.0	50.00
Salicylate, USP, bots	oz.	50.00	51.00
Sulphate, bots.	oz.	35.00	36.00
Ether, acetate (see Ethyl acetate).			
Butyl, dms., c.l., dlvd	lb.	.30½	—
l.c.l., dlvd	lb.	.31	—
tanks, dlvd	lb.	.29	—
Butyric (see Ethyl butyrate).			
Dichloroethyl, purif., dms., works	lb.	.16½	—
l.c.l., same basis	lb.	.17	—
tanks, same basis	lb.	.15	—
Divinyl, USP, anesthesia, bots., 50 cc, hospitals	bot.	1.00	—
75 cc, hospitals	bot.	1.56	—
Ethyl, absolute, ACS, dms	lb.	.50	—
anesthesia, USP, hospital, cns.	lb.	.75	.90
Industrial, USP, dms., c.l., dlvd.	lb.	.10½	—
l.c.l., same basis	lb.	.12½	—
tanks, same basis	lb.	.08½	—
synthetic, dms., incl., dlvd. East	lb.	.10½	—
l.c.l., same basis	lb.	.12½	—
tanks, same basis	lb.	.08½	—
Isopropyl, dms., c.l., dlvd	lb.	.06	—
l.c.l., dlvd	lb.	.06½	—
tanks, dlvd	lb	.04½	—
Nitrous, conc., bots., 100 lbs	lb.	1.03	1.10
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld.	lb.	.10½	—
l.c.l., frt. alld	lb.	.11½	—
tanks, frt. alld	lb.	.09	—
95-98%, dms., c.l., frt. alld.	lb.	.10¾	—
l.c.l., frt. alld	lb.	.11¾	—
tanks, frt. alld	lb.	.09¼	—
99%, dms., c.l., frt. alld	lb.	.11	—
l.c.l., frt. alld	lb.	.12	—
tanks, frt. alld	lb.	.09	—
Acetoacetate, dms., c.l., dlvd	lb.	.47½	—
l.c.l., dlvd	lb.	.48½	—
tanks, dlvd	lb	.46	—
Benzoate, dms.	lb.	.63	—
Betaethoxypropionate dms. works	lb.	.70	—
Bromide, tech., 98%, dms	lb.	.39	.41
Butyrate, bots.	gal.	4.75	—
cns., works	lb.	.65	.70
dms., works	lb.	.60	—
Carbamate (see Urethane).			
Chloride, tech., tanks, frt. alld. East	lb.	.13½	—
USP, bbls., cyl	lb.	.20	.22
Cinnamate, cns	lb.	2.30	3.00
Formate, dms.	lb.	.35	—
Iodide, bots.	lb.	4.08	4.27
Lactate, dms., works	lb.	.41	—
Methylcrylate, M-2, dms., works.	lb.	.60	—
cns., works	lb.	.63	.67
P-2, cns., works	lb	.65	—
Myristate, dms., works	lb.	No prices	
Nitrite (see Ether, nitrous).			
Oenanthate, dms	lb.	1.00	2.00
Oleate, dms., l.c.l., works	lb.	.53	—
Oxalate (see Diethyl oxalate).			
Silicate, dist. (see Tetraethyl-orthosilicate).			
40% available SiO_2, dms., works.	lb.	.55	—
Ethylalphanaphthylamine, dms	lb.	.80	—
Ethylanilin, dms	lb.	.60	—
Ethylbenzene, dms., c.l	lb.	.14	—
l.c.l.	lb.	.15	—
tanks	lb	.13	—
Ethylcellulose, fib dms., 5,000 lbs., works	lb.	.52	—
smaller lots, works	lb	.54	.62
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies	lb.	.09½	—
W. of Rockies	lb.	.10½	—
l.c.l., works, frt. alld., E. of Rockies	lb.	.10½	—
W of Rockies	lb.	.11½	—
tanks, frt. alld., E. Rockies	lb.	.08	—
W. of Rockies	lb.	.09	—
Oxide, cyls., c.l., works	lb.	.23¾	—
l.c.l., works	lb.	.24¾	—
tanks, frt. alld. East	lb.	.16¾	—
Trichloride (see Trichloroethane)			
Ethylenediamine, dms., c.l., works.	lb.	.42	—
l.c.l., works	lb.	.42½	—
tanks, works	lb.	.40	—
Ethyleneglycol, dms., c.l., frt. alld. E	lb.	.16	—
l.c.l., same basis	lb.	.17	—
tanks, same basis	lb.	.14½	—
Diethylether, dms., l.c.l. works	lb.	.50	—
Monobutylether, dms., c.l., works.	lb.	.21½	—
l.c.l., works	lb.	.22	—
tanks, works	lb.	.20	—
Monoethylether, dms., c.l., works.	lb.	.13	—
l.c.l., works	lb.	.18½	—
tanks, works	lb.	.16½	—
Monoethylether acetate, dms., c.l., works	lb.	.16½	—
l.c.l., works	lb.	.17	—
tanks, works	lb.	.15	—
Monomethylether, dms., c.l., works	lb.	.19¼	—
l.c.l., works	lb.	.20	—
tanks, works	lb.	.18	—
Monomethylether acetate, dms., c.l., works	lb.	.24½	—
l.c.l., works	lb.	.25	—
tanks, works	lb.	.23	—
Monostearate, dms	lb	.38	.45
Ethylethanolamines mixed, dms., c.l., works	lb	.32	—
l.c.l., works	lb	.33	—
Ethylmorphine hydrochloride, USP, bots	oz.	11.85	—

RELY ON *Emery* FOR . . .

VEGETABLE FATTY ACIDS

TO MEET YOUR SPECIFIC REQUIREMENTS



In addition to these three vegetable fatty acids, Emery manufactures three special Emersol Liquid Fatty Acids, Emersol 300, 305 and 315. Through selective solvent separation to reduce content of saturated acids, these three acids have titers below 5°C.

Other Emery products include Stearic, Oleic and Liquid Fatty Acids with special properties not found in ordinary commercial fatty acids.

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WORLD'S LARGEST PRODUCER OF FATTY ACIDS

thylorthotoluidine, bbls.	lb.	.80	—
thylvanillin, cns., 3 lbs. or more	lb.	6.75	6.90
smaller lots	lb.	6.80	6.90
ucalyptol, USP, cns., dms.	lb.	1.75	2.05
ucalyptus leaves, bls.	lb.	.10	.14
ugenol, prime, USP.	lb.	2.05	2.75
uphorbia, pil., herb., bls.	lb.	.18	.20

F

eldspar, enamel, 100 mesh, bgs., works	ton.	20.00	22.00
Glass, 20 mesh, bulk, tons, works	ton.	11.75	12.50
Pottery, bgs., 2 ton lots, works	ton.	20.00	22.00
bulk, c.l., works	ton.	18.00	20.00
ennel seed, Argentine, bgs.	lb.	.16	.16½
French, bgs	lb.	.12	Nom.
Indian, bgs.	lb.	.12	.12½
enugreek, domestic, bgs.	lb.	No stocks.	
Indian, bgs	lb.	.11	.11½
futures, bgs	lb.	.11	.11½
Moroccan, bgs.	lb.	.07	.07½
erric-ammonium citrate (see iron ammonium citrate).			
erric cacodylate (see iron cacodylate).			
erric glycerophosphate (see iron glycerophosphate).			
erric hypophosphite (see iron hypophosphite).			
erric sulphate (see iron sulphate, ferric).			
lm scrap, colored, cs., works	lb.	.11	—
water-white, cs., works	lb.	.13	—
r balsam, Canada, cns.	gal.	28.00	32.50
Oregon, bbls	gal.	2.35	2.60
shberries, ogs	lb.	.20	.25
shliver oil (see Oil, fishliver)			
shmeal, ground, 60% protein, bgs., Balto. area	ton.	170.00	—
shscrap, dried, 60% protein, bulk, Balto area	ton.	160.00	—
easeed (see Psyllium seed).			
ringetree bark, bls	lb.	.42	.45
uorspar, acid grade, bgs., c.l.,			
uorspar, acid grade, bgs., mines.	ton.	47.50	—
t.c.l., mines	ton.	49.50	—
bulk, contract, c.l., mines	ton.	42.00	—
noncontract, c.l., mines	ton.	45.00	—
t.c.l., mines	ton.	47.00	—
eramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines net	ton.	39.00	41.00
powd., 90-92%	ton.	41.00	—
foundry grade, lump, 55-60%,	ton.	34.00	—
washed, gravel, 70% or more, CaF_2, bulk, c.l., mines	ton.	35.00	37.00
65%, bulk, c.l., mines	ton.	34.00	36.00
60%, bulk, c.l., mines	ton.	33.00	35.00
less than 60% bulk, c.l., mines	ton.	32.00	34.00
ormaldehyde, USP (inhibited), dms., c.l., E. works	lb.	.0570	—
t.c.l., E. works	lb.	.0620	—
tanks, E. works	lb.	.0370	—
methanol-free (uninhibited), tanks, works	lb.	.0350	—

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard, as well as W. of Rockies, prices f.o.b. Texas plants, are .022 for inhibited and .020 for uninhibited.

uller's earth, dom., powd., bgs., c.l., Fla., Ga. mines	ton.	30.00	—
Tex., mines	ton.	27.00	—
spent, bulk, Bayonne	ton.	2.00	4.00
mp. bgs. c.l.	ton.	30.00	40.00
furiural, tech., dms., c.l., works	lb.	.12	—
t.c.l., works	lb.	.14	—
tanks, works	lb	.09½	—
usel oil, refined, dms., c.l., dlvd	lb.	.21½	—
t.c.l., dlvd.	lb.	.22½	—
tanks, dlvd.	lb.	.20	—
ustic extract, cryst., No. 1, bbls., t.c.l.	lb.	.42½	—
No. 1A bbls., t.c.l.	lb.	.41½	—
No. 2, bbls., t.c.l.	lb.	.40½	—
No. 3, bbls., t.c.l.	lb.	.38½	—
liquid, No. 0, bbls., t.c.l.	lb.	.22	—
No. 1, bbls., t.c.l.	lb.	.20½	—
No. 2, bbls., t.c.l.	lb.	.19½	—
No. 3, bbls., t.c.l.	lb	17	—
solid, No 1 bxs., t.c.l.	lb	28	—

G

salt, bbls	lb.	.59	.60
alangal root, bls.	lb.	.20	.21
ambier, plantation, bgs., ex dock	lb.	No stocks.	
Extract, bbls		No stocks.	
ammapicoline, 95%, dms., c.l., works	lb.	1.00	1.03
asoline, at refinery, ex tax, Arkansas, 80 octane, tanks	gal.	.10125	—
Bayonne, 83 octane, tanks	gal.	.1120	—
Gulf coast, 80 octane, tanks	gal.	.10	.11
Group 3, 80 octane, tanks	gal.	.0975	.10375
Pennsylvania, western, U. S. motor, 74-76 octane, leaded tanks	gal.	.12	—
natural, 26-70 octane, group 3, tanks	gal.	.05875	—
latin, silver label, imported, cs	lb.	1.15	—
lsemium root, bls	lb.	.25	.30
ntian root, bls	lb.	.13	.17
grd., bbls., bxs	lb.	.17	.18
powd., bbls., bxs	lb.	.18	.21
ntistic acid ethanilamide, fib. dms., works	lb.	10.00	—
ranol, extra, cns., dms	lb.	2.50	2.75
rime	lb	2.20	2.40
ranyl acetate, cns.	lb.	2.65	3.90
ger, oleoresin, bots	lb	7.40	11.80
loot, African, bls.	lb.	.42	.43
Cochin, bleached, bgs	lb.	No stocks.	
unbleached, bgs	lb.	.20	Nom.
Jamaica, No. 1, bgs	lb.	.47	.48
No. 2, bgs.	lb.	.46	.47
No. 3, bgs.	lb.	.45	.46
Rhattoon, bgs	lb.	.39½	Nom
inseng root, cs	lb.	12.00	16.00
lauber's salt, annyd. (see Sodium sulphate).			
cryst., bgs., c.l., works 100 lbs		2.00	—
t.c.l. bgs., works 100 lbs		2.75	2.50
s, bone, calcium type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest	lt.	.17	—
65 jellygrams, bgs., c.l., same basis	lb.	.18½	—
80 jellygrams, bgs., c.l., same basis	lb.	.20	—
110 jellygrams, bgs., c.l., same basis	lb.	.21	—
130 jellygrams, bgs., c.l., same basis	lb.	.22	—
Over 150 jellygrams, bgs., c.l., same basis	lb.	.24	—
Bone glue, t.c.l., 1c. per lb. higher than c.l. ground, 65 jellygrams, bgs., c.l. (50,000 lbs.), dlvd	lb.	.18	—
t.c.l., same basis	lb.	.20	—
lide, 100-121 (jellygrams), bgs., c.l., dlvd	lb.	.22	.25
122-149 bgs. c.l., dlvd	lb.	.23	.26
150-177 bgs. c.l., dlvd	lb.	.24	.27
178-206 bgs. c.l., dlvd	lb	.25	.29
207-236 bgs., c.l., dlvd	lb.	.26	.30

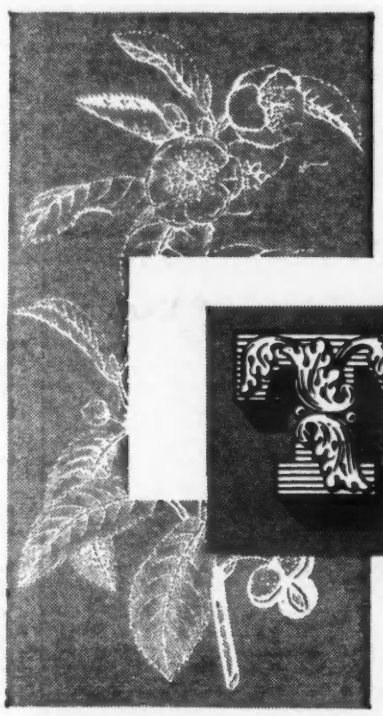
Glue, hide, 237-266, bgs., c.l., dlvd.	lb.	.27	.31
267-296, bgs., c.l., dlvd	lb.	.28	.32
299-330 bgs., c.l., dlvd	lb.	.29	.33
331-362, bgs., c.l., dlvd	lb.	.30	.33
363-394, bgs., c.l., dlvd	lb.	.31	.34
395-427, bgs., c.l., dlvd	lb.	.32	.35
428-460, bgs., c.l., dlvd	lb.	.33	.36½
461-494, bgs., c.l., dlvd	lb.	.34	.38
495-529, bgs., c.l., dlvd	lb.	.35	.39

Hide glue, t.c.l., prices 1c. higher than c.l.; bbls., ½c. more than bgs.

Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd	lb.	.16¾	.18¾
soaplye, 80%, tanks, dlvd	lb.	.15¼	.16½
dynamite, dms., c.l., dlvd	lb.	.24	—
t.c.l., dlvd	lb.	.24½	—
tanks, dlvd	lb.	.23½	—
high gravity, dms., c.l., dlvd	lb.	.24¼	—
t.c.l., dlvd	lb.	.24¾	—
tanks, dlvd	lb.	.23¾	—
refined, BP, 93%, dms., c.l., dlvd.	lb.	.25½	—
t.c.l., dlvd	lb.	.26	—
tanks, dlvd	lb.	.25	—
USP, c.p., 95%, dms., c.l., dlvd.	lb.	.24¾	—
t.c.l., dlvd	lb.	.25¼	—
tanks, dlvd	lb.	.24¼	—
yellow, distilled, dms., c.l., dlvd	lb.	.24½	—
	lb.	.24½	—
t.c.l., dlvd	lb.	.24⅝	—
Glycine USP (see Acid, aminoacetic).			
Glycol boriborate, dms	lb.	.28	.30
tanks, dlvd.	lb.	.23⅝	—
Glyoxal, 30%, dms., c.l., works	lb.	.17½	—
t.c.l., works	lb.	.18	—
tanks, works	lb	.17	—
Gold chloride, acid-brown, bots	oz.	22.00	22.25
acid-yellow, bots	oz.	20.00	20.25
Gold of pleasure seed, bgs	lb.	.40	.41
Goldenseal root, bls	lb.	3.25	3.40
powd. bxs.	lb.	4.25	4.50

Ethylorthotoluidine—Green, Chrome, Reduced Color

Gold-sodium chloride, photo, bots.	oz.	13.50	14.00
USP IX, bots	oz.	14.50	15.00
Grains of paradise, bgs	lb.	.52	.53
Graphite, imported, amorph., powd., bgs., dlvd	lb.	No prices.	
crystalline, 88-90%, powd., bgs., ex whse	lb.	No prices.	
90-92%, powd., bgs., ex whse.	lb.	No prices.	
97%, powd., bgs., ex whse	lb.	No prices.	
flake, No. 1, 90-95%, bgs., ctns., ex whse	lb.	No prices.	
No. 2 whse	lb.	No prices.	
Grease, house, loose, dlvd.	lb.	.04¼	—
White, choice, loose	lb.	.06¼	Nom.
Wool (see Degras and Lanolin).			
Yellow, loose	lb.	.05	—
Green, brilliant, thioflavin, toner, molybdic, kgs., works	lb.	4.25	4.50
Tungstic, kgs., works	lb.	4.25	4.50
16-20%, bbls., same basis.	lb.	.38½	—
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	.36	—
6-10%, bbls., same basis	lb.	.37	—
11-15%, bbls., same basis	lb.	.38	—
21-25%, bbls., same basis	lb.	.38¼	—
26-30%, bbls., same basis	lb.	.38¾	—
31-35%, bbls., same basis	lb.	.40¾	—
36-40%, bbls., same basis	lb.	.42½	—
Green, chrome, cp, blue content, 41-45%, bbls., same basis	lb.	.44	—
46-30%, bbls., same basis	lb.	.45¾	—
50% and over, bbls., same basis	lb.	.46¾	—
reduced color, 5%, bbls., same basis	lb.	.12¾	—
6-10%, bbls., same basis	lb.	.13½	—
11-13%, bbls., same basis	lb.	.14	—
14-16%, bbls., same basis	lb.	.14¾	—
17-19%, bbls., same basis	lb.	.15	—
20-21%, bbls., same basis	lb.	.15¼	—
22-23%, bbls., same basis	lb.	.15½	—
24-25%, bbls., same basis	lb.	.15½	—
26-27%, bbls., same basis	lb.	.16	—
28-29%, bbls., same basis	lb.	.16½	—
30-31%, bbls., same basis	lb.	.17½	—
32-33%, bbls., same basis	lb.	.18¾	—
34-35%, bbls., same basis	lb.	.19¾	—
36-40%, bbls., same basis	lb.	.22½	—
41-45%, bbls., same basis	lb.	.24¾	—
46-50%, bbls., same basis	lb.	.26¼	—
51-55%, bbls., same basis	lb.	.26	—



maybe
you can get
theophylline
from tea leaves...
you'll get it quicker
from Mallinckrodt and no maybe!

There is a Mallinckrodt THEOPHYLLINE for every manufacturing chemical and physical requirement. *And, each new lot of every Mallinckrodt grade of THEOPHYLLINE meets the same high standards as former lots.*

Theophylline U.S.P. Monohydrate—water approx. 9%.

Theophylline Anhydrous This grade is of U.S.P. purity but contains not more than 0.5% water (U.S.P. permits 9.5% water).

Theophylline & Sodium Acetate U.S.P.
Above products available in 100-lb. leverpak drums, 25-lb. fiber drums, 5-lb. bottles.

Theophylline Sodium Salicylate
Available in 100-lb. leverpak drums, 25-lb. glass jars, 5-lb. bottles.

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A partial listing of other Mallinckrodt fine pharmaceutical chemicals:

ACID ACETYLSALICYLIC	FERROUS GLUCONATE	POTASSIUM IODIDE
ACID MANDELIC	MAGNESIUM TRISILICATE	SODIUM BROMIDE
BISMUTH SUBCARBONATE	PHENOBARBITAL	SODIUM IODIDE
BISMUTH SUBNITRATE	PHENOBARBITAL SODIUM	SODIUM SALICYLATE
CALCIUM GLUCONATE	POTASSIUM BICARBONATE	SULFANILAMIDE
CALCIUM MANDELATE	POTASSIUM BROMIDE	SULFATHIAZOLE

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Uniform, Dependable Purity

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Green, Chrome, Reduced Color, 56-60%—Hyssop Leaves

Green, chrome, reduced color, 56-60%, bbls., same basis lb. .26½- —
61-65%, bbls., same basis lb. .27½- —
66-70%, bbls., same basis lb. .26¾- —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., works lb. .75 - 1.00
pure, bgs., frt. alld lb. .33 .40
Dyes (see Dyes, coaltar).
Malachite, thioflavin toner, molybdic, bbls., works lb. 3.00 - —
Tungstic, bbls., works lb. 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works. lb. 4.40 5.00
Tungstated, brilliant, kgs. lb. 3.00 4.00
Emerald, kgs lb. 2.60 —
Verdigris (see V)
Grindelia robusta herb, bls. lb. .24 - .30
Guaiac resin, NF, cs. lb. .60 - .65
ordinary, cs. lb. .49 - .51
Wood, bls lb. .35 .36
Guaiacol, cryst., tins lb. No prices.
Liquid, NF, bots., cbys. lb. 1.90 - 1.95
Carbonate, dms lb. 2.95 3.00
Guarana, powd., cs. lb. 1.50 1.75
Gum, accroides (see Gum, yacca)
Aloe (see A.)
Ammoniac, tears, cs. lb. .90 - .95
Arabic, amber, sorts, bgs. lb. .12 - .13½
powdered, USP, bbls lb. .20½- .21
Asafetida (see A).
Gum asphaltum (see A).
Benzoin, Sumatra, cs. lb. .50 - .70
Camphor (see C)
Copal, Congo, No. 1, bgs. lb. .25 - .26
No. 2, bgs. lb. .18 - .20
No. 3, bgs lb. .13½- .15
Manila, loba, B, bgs. lb. .25 - .27
C, bgs lb. .23 - .24½
CBB, bgs lb. .19 - .20
CNE, bgs lb. .13½- .15
DBB, bgs lb. .16½- .17½
DK, bgs lb. .13 - .14
dust, bgs lb. .07 - .08
soft, MA, bgs lb. .11 - .13½
WS, bgs lb. .21 - .22
Philippine, pale, chips, bgs lb. .18½- .20½
nubs, bgs. lb. .22 - .24
seeds, bgs. lb. .15 - .16
sorts, bgs. lb. .17½- .19½
Pontianak, chips, bgs. lb. .22 - .24
nubs, bgs lb. .32 - .35
Dammar, Batavia, A/D, bgs lb. .25 - .30
A/E, bgs lb. .23 - .24
dust, bgs lb. .08½- .09½
E, bgs lb. .13½- .14½
East India, batu, bold, bgs lb. .09 - .10
nubs and chips, bgs lb. .06 - .07
black, bold, bgs lb. .11½- .12½
unscraped, bgs. lb. .09 - .10
nubs and chips, bgs lb. .09 - .10
pale, chips, bgs lb. .12 - .14
nubs, bgs. lb. .20 - .22
Singapore, No. 1, bgs lb. .29 - .32
No. 2, bgs. lb. .22 .23
No. 3, bgs. lb. .10 .12
dust, bgs. lb. .09 .10
seeds, bgs. lb. .13 .14
Elemi, cns lb. .21 .22
Gum, ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va. lb. .13 - .13½
wood-rosin type, dms., c.l., dlvd. Ill., Ind., etc. lb. .13 - .13½
Euphorbium, cs. lb. .35 - .40
Galbanum, cs. lb. .75 - .80
Gamboge, pipe, cs lb. 1.15 - 1.25
powd., bbls lb. 1.35 - 1.40
Ghatti, No. 2, bgs. lb. .35 - .37
No. 3, bgs lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1 lb. .50 - .51
No. 2 lb. .46 - .47
No. 3 lb. .38 - .39
Kauri, bgs lb. .31½- .32¾
Locust bean, powd., bgs lb. .30 - .32
Mastic, cs. lb. 1.80 - 1.90
Myrrh, cs. lb. .30 - .35
Olibanum, siftings, cs. lb. .12 - .13
tears, cs. lb. .16 - .30
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks. lb. 1.23 Nom.
Scammony, cs lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs lb. .10 - .11
Tragacanth, No. 1, cs lb. 2.75 - 3.00
No. 2, cs lb. 2.50 - 2.75
No. 3, cs lb. 1.75 - 2.00
powdered, USP, bbls lb. 1.35 - 1.45
Yacca, bgs lb. .06 - —
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton. 22.65 - —
Harlem river, N. Y., frt. equald ton. 28.25 - —
Medicine Lodge, Kan., frt. equald ton. 17.00 - —
Gypsum, Keen's cement, New Brighton, N. Y., frt. equald ton. 30.65 - —
Southard, Okla., frt. equald ton. 17.00 - —
Sweetwater, Tex., frt. equald ton. 21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald ton. 12.50 - —
Blue Rapids, Kans., frt. equald ton. 10.50 - —
Harlem river, N. Y., frt. equald ton. 12.00 - —
Medicine Lodge, Kan., frt. equald ton. 12.50 - —
New Brighton, N. Y., frt. equald ton. 18.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald. ton. 12.50 - —
Sweetwater, Tex., frt. equald ton. 12.50 - —
Stucco, paper bgs., Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Gypsum, Ohio, frt. equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald. ton. 8.00 - —
Portsmouth, N. H., frt. equald ton. 8.00 - —
Roton, Texas, frt. equald ton. 8.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald ton. 8.00 - —
Sweetwater, Texas, frt. equald ton 8.00 - —
Terra alba, paper bags., c.l., Harlem River, N. Y. works ton. 22.50 - —
New Brighton, N. Y., works ton. 21.00 - —

H

Hawthorn berries, bgs lb. .50 - .57
Heliotropin, cryst., cns lb. 2.85 - 3.05
Hellebore root, dom., green, bls. lb. .80 - .90
imp., black, whole, bls. lb. .20 - .25
ground, bxs. lb. .25 - .30
powder, bxs. lb. .27 - .32
white, whole, bls. lb. .30 - .40
powder, bxs. lb. .35 - .45
Helonias root, bls lb. 1.65 - 1.75
Hematine extract, cryst., No. 0, bbls., l.c.l lb. .45½- —
No. 1, bbls., l.c.l lb. .44½- —
No. 1A, bbls., l.c.l lb. .41½- —
No. 2, bbls., l.c.l lb. .40½- —
No. 3, bbls., l.c.l lb. .38½- —
No. 4, bbls., l.c.l lb. .36½- —
No. 5, bbls., l.c.l lb. .34½- —
paste, No. 1, bbls., l.c.l lb. .19 - —
No. 2, bbls., l.c.l lb. .18 - —
No. 3, bbls., l.c.l lb. .17 - —
No. 4, (red), bbls., l.c.l. lb. .12½- —
Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks.
tanks, works lb. No stocks.
Henbane leaves, bls lb. .35 - .43
Henna leaves, bls lb. .23 - .25
powd., bbls., bgs lb. .27 - .29
Heptane, industrial, Bayonne, N. J., tanks gal. .16 - —
group 3, tanks gal. .12½- .13½
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 1,000-lb. lots, Perth Amboy or N.Y.C. lb. .22 - —
bbls. lb. .22½- —
smaller lots, bgs., same basis. lb. .24 - —
bbls. lb. .24½- —
USP, dms., 500 lbs., or more, same basis lb. .38½- —
smaller lots, same basis lb. .39½- —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, group 3, tanks. gal. .13½- .14½
Bayonne, N. J., tanks gal. .16 - —
Hexanol, normal, dms., c.l., works. lb. .20½- —
l.c.l., works lb. .31 - —
tanks, works lb. .29 - —
Hexyleneglycol, dms., c.l., dlvd lb. .14 - —
l.c.l., dlvd lb. .14½- —
tanks, dlvd lb. .12½- —
Hexylresorcinol, USP, 50 lbs. up, frt. alld lb. 17.00 -19.00
works lb. 17.00 -25.75
smaller lots, frt. alld lb. 18.00 -19.50
works lb. 18.00 -31.50
Histamine diphosphate, USP, bots kilo. 300.00 - —
Histidine hydrochloride—laevo, NF, fib. dms., 50 kilo lots, works kilo. 100.00 -120.00
1-5 kilos, works kilo. 110.00 -130.00
Homatropine hydrobromide, USP, bots oz. 15.00 -16.00
Hydrochloride, bots oz. 20.00 -22.00
Methylbromide, NF oz. 13.00 -16.25
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago unit-ton. 7.50 - —
Hops, NF, bls. lb. .40 - .45
Horehound, bls. lb. .17 - .19
Hydrangea root, bls lb. .14 - .17
Hydrastine, bots oz. 53.50 -53.80
Hydrochloride, NF oz. 29.50 -36.00
Sulphate, bots oz. 53.50 -53.80
Hydrastinine, 10-grain bots bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cns., works lb. .30 - .40
Hydrogen peroxide, USP, bbls lb. 03¾- .05
27½%, cbys., E. of Miss. or W. coast via Panama Canal lb. .17½- .19¼
25%, cbys., same basis lb. .23½- —
dms., c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks lb. .19¾- —
Hydroquinone, photographic, bbls., dms lb. .90 - —
tech., dms. lb. .70 - —
Hydroxycitronellal, cns. lb. 5.35 - 7.80
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots. oz. 15.75 -16.00
Hydrobromide, bots. lb. 16.50 -18.00
Sulphate, bots. oz. 13.50 -14.00
Hypernic extract, cryst., No. 1, bbls., l.c.l lb. .56 - —
No. 2, bbls., l.c.l lb. .48 - —
liquid, No. 1, bbls., l.c.l lb. .30 - —
No. 2, bbls., l.c.l lb. .25 - —
solid, No. 1, bxs., l.c.l lb. .44 - —
Hyssop herb, bgs lb. .35 - .45
Leaves, bgs. lb. .45 - .50

An example of Salmonella Typhosa Bacteria, magnified 30,000X by Electron Microscope.

Are Bacteria Biting Into Your Profits?

When bacteria and mold attack, during any stage of production, you are losing profits. Material wastes and production delays which result from attacks of these microorganisms bite deeply into your earnings.

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I

Iceland moss, bgs.	lb.	.35 -	.40
Ichthammol, F, dms.	lb.	.60 -	.75
Indian red (see Red, Indian).			
Indigo, nat., chests	lb.	2.14 -	2.16
synth., paste, bots	lb.	.23 -	—
powd., bbls	lb.	1.03 -	—
Indol, CP, bots	lb.	17.00 -	19.00
Inositol, tins, dlvd.	lb.	4.83 -	5.00
Insect flowers (see Pyrethrum).			
Iodine, crude, kgs	lb.	1.52 -	1.729
resubl., USP., bots., jars.	lb.	2.30 -	2.48
Iodochlorohydroxyquinolin, NF, dms.	lb.	5.90 -	—
Iodoform, NF, dms., kgs	lb.	4.45 -	4.60
Ionone, alpha, cns	lb.	4.40 -	12.30
beta, cns.	lb.	7.05 -	8.50
IPC, bots., 1-5 lbs	lb.	2.68 -	2.72
fib. dms., 100 lbs., ship't point	lb.	2.30 -	2.50
50 lbs., ship't point	lb.	2.40 -	2.52
10-25 lbs., ship't point	lb.	2.50 -	2.54
Ipecac root, bgs	lb.	4.25 -	4.50
powd., bgs.	lb.	4.65 -	4.90
Irish moss, bleached, prime, bls.	lb.	.16 -	.18
Iron acetate, liquor, 28° bots., c.l., works	lb.	.09 -	—
l.c.l., works	lb.	.09¾-	—
solut., USP IX, cbys	lb.	.16 -	—
dms.	lb.	.17 -	—
Cacodylate, NF, bots	lb.	13.50 -	14.50
Chloride (ferric), anhydr., tech., dms., c.l., works	100 lbs.	5.75 -	—
l.c.l., works	100 lbs.	6.50 -	7.50
cryst., tech., c.l., bbls., works.	100 lbs.	5.00 -	6.00
l.c.l., bbls., works	100 lbs.	5.50 -	8.00
USP, dms., works	lb.	.06¾-	.08¼
solut., 42 Be, 100% basis, tanks, works	100 lbs.	3.45 -	—
Citrate, gran., dms	lb.	.77 -	.79
Gluconate, NF, dms	lb.	.83 -	.95
Glycerophosphate, N.F., powd	lb	4.25 -	4.35
Hypophosphite, NF, dms	lb.	2.80 -	—
Iodide, bots	lb.	3.66 -	3.73
Naphthenate, liq., 6% Fe, dms., frt. alld	lb.	.21¼ -	21¾
Oxalate, gran., dms	lb.	.83 -	.85
Phosphate, soluble, NF, gran., cs.	lb.	.64 -	65
Pyrophosphate, soluble, NF VII, gran., dms	lb.	.69 -	.72
Reduced (see Iron by hydrogen).			
Resinate, 7.4%, Fe, dms., frt. alld.	lb.	.23 -	—
Stearate, dms., c.l.	lb.	.34 -	—
ton lots	lb.	.35 -	—
less ton lots	lb.	.36 -	—
Sulphate, ferric, anhyd., bgs., c.l., works	ton.	28.50 -	—
l.c.l., works	ton.	29.50 -	—
ferrous, tech. (see Copperas).			
USP, cryst., bbls., dms	lb.	.09½-	.10
Iron by hydrogen, kgs	lb.	.80 -	.85
Iron-ammonium citrate, green, NF, gran., dms	lb.	.55 -	.58
brown, USP, gran., dms	lb.	.55 -	.58
Oxalate, dms	lb.	.25½-	.28¼
Iron-potassium oxalate fine gran., dms.	lb.	.30½-	.33⅓
Iron-sodium oxalate, fine gran., dms	lb.	.25½-	.28⅓
Isoborneol, cns.	lb.	.84 -	.95
Isobornyl acetate, cns	lb.	.97 -	1.10
Thiocyanocetate, dms., c.l., works.	gal.	3.85 -	—
l.c.l., works	gal.	3.85 -	4.05
tanks, works	gal.	4.23 -	—
Isobutyl acetate, cns	lb.	.82 -	1.25
Methacrylate, M-5, dms., works	lb.	.60 -	—
cns., works	lb.	.63 -	.67
P-5, cns, works	lb.	.60 -	—
Propionate, cns	lb.	No prices.	
Isobutyraldehyde, dms., works	lb.	.50 -	53
Isoeugenol, cns.	lb.	3.10 -	3.40
Isoleucine, dextro-laevo, with allo-isoleucine, dms., works	lb.	28.00 -	35.00
Isopentane, dms., works	lb.	.45 -	.55
Isophorone, dms., c.l., works	lb.	.23½-	—
l.c.l., works	lb.	.24 -	—
tanks, works	lb.	.22 -	—
Isopropanol (see Acohol, Isopropyl).			
Isopropyl acetate, dms., c.l., frt. alld.	lb.	.10½-	—
l.c.l., same basis	lb.	.11 -	.11½
tanks, same basis	lb.	.09 -	—
Alcohol (see Alcohol, Isopropyl).			
Benzene (see Cumene).			
Ether (see Ether, Isopropyl)			
Phenylcarbamate (see IPC)			
Isopropylamine, dms., c.l., works	lb.	.24 -	—
l.c.l., same basis	lb.	.25 -	—
tanks, works	lb.	.22½-	—
Isoquinoline, dms., c.l., works	lb.	.20 -	—
l.c.l., works	lb.	.40 -	—

J

Jaborandi leaves, bls	lb.	.15 -	.20
Jalap root, NF, bls	lb.	.40 -	.45
powd., bbls., bxs	lb.	.45 -	.55
Resin, powd., bxs	lb.	7.15 -	7.25
Juniper berries, bgs	lb.	.08 -	.18
Tar, USP, dms.	lb.	.40 -	.65

K

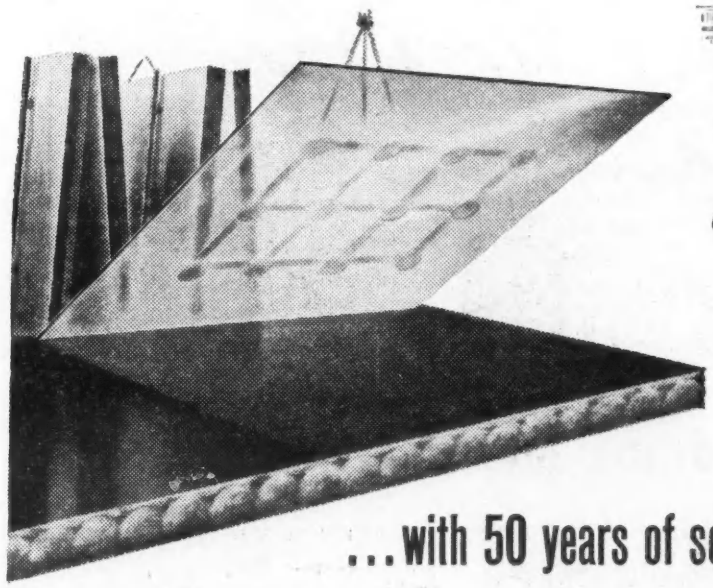
Kamala, powd., cns	lb.	.47 -	.49
Kaolin (see China clay).			
Kava kava root, bls	lb.	.25 -	.30
Kerosene, at refinery: Ark., 42-44 specific gravity, w.w., tanks	gal.	.07875-	—
Bayonne, 41-43 s.g., w.w., tanks	gal.	.09 -	—
California, 40-43, s.g., w.w., tanks	gal.	.121 -	.156
Gulf ports, 41-43, s.g., w.w., tanks.	gal.	.085 -	.0925
Okla.-Tex., 41-43, s.g., w.w., tanks.	gal.	.07625-	.08875
Penn., 45 s.g., w.w., tanks	gal.	.095 -	.10
Kola nuts, bgs	lb.	.08 -	.10
Kyanite, imp., low iron content, 10-mesh, whse	ton.	85.00 -	95.00
calcined, grain, 10-mesh, whse	ton.	95.00 -	105.00

L

Lady slipper root, bls	lb.	1.50 -	1.75
Lanolin, anhyd., cosmetic, dms., works	lb.	.31 -	.33
pharmaceutical, USP, dms., works	lb.	.29 -	.32
hydrous	lb.	.28 -	30½
Lard, cash, trcs., Chicago	lb.	.10½	Nom.
Larkspur seed bgs	lb.	.35 -	.40
Laurel berries, bls	lb.	.25 -	.26
Leaves, Portuguese, bls	lb.	.11 -	.11½
Greek, bls.	lb.	.08 -	.08½
Yugoslavian, bls	lb.	.10½-	.11
Lavender flowers, medium, bls.	lb.	.55 -	.60
ordinary, bls.	lb.	.18 -	.20
select, bls	lb.	.60 -	.65
Lead acetate, white, crystals, bbls.,	lb.	.19 -	—
gran., bbls.	lb.	.19¾-	—
powd., bbls.	lb.	.19¾-	—
USP, cryst., dms	lb.	.21½-	.26
gran., powd., dms	lb.	.22¼-	.26¾
Lead, arsenate, dealers, basic powder, 3-lb bgs., or larger, c.l., frt. alld	lb.	.27 -	.30
l.c.l., frt. alld	lb.	.31 -	—
1-lb. bgs., c.l., frt. alld	lb.	.38 -	.41¼
l.c.l., frt. alld	lb.	.39 -	.42¼
Lead arsenate prices are works or whse. basis frt. alld. on 96 lbs. or more to dest. East.			
Blue, basic sulphate, bbls., c.l., shipt point, frt. alld	lb.	.13¼-	—
l.c.l., works	lb.	.14¼-	—
Carbonate (see Lead, white).			
Chloride, fib dms.	lb.	.49 -	—
Iodide, NF V, jars	lb.	2.94 -	3.13
Linoleate, liq., 13% Pb, dms., frt. alld	lb.	.29¼-	—
Metal, pigs, prime, N. Y.	lb.	.12 -	—
E. St. Louis	lb.	.1180-	—
Metallic paste, dms., 30,000-40,000 lbs., works	lb.	.28 -	—
10,000-20,000 lbs., same basis	lb.	.28½-	—
2,000-10,000 lbs., same basis	lb.	.29 -	—
100 to 2,000 lbs., same basis.	lb.	.29½-	—
Prices ex whse, Jersey City, N. J., 4½c. per pound hgher			
Naphthenate, liquid, 16% pb, dms., dlvd	lb.	.15½-	—
24% Pb, dms., dlvd	lb.	.21¼-	—
30% Pb, dms., dlvd	lb.	.25¾-	—
Nitrate, bbls., c.l	lb.	.19 -	—
l.c.l.	lb.	.19¼-	—
Oleate, fused, bbls	lb.	.24 -	—
Orthosilicate gel, 50% PbO, dms., works	lb.	.29½-	—
60% PbO, dms., works	lb.	.28 -	—
Peroxide, powd., tech., bbls	lb.	.33 -	.34
Phthalate, dibasic, dms., works	lb.	.37½-	—
Red, 95%, Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld.	lb.	.14¾-	—
l.c.l., same basis	lb.	.15¾-	—
97%, Pb_3O_4, bbls., c.l., same basis	lb.	.15 -	—
l.c.l., same basis	lb.	.16 -	—
98%, Pb_3O_4, bbls., c.l., same basis	lb.	.15¼ -	—
l.c.l., same basis	lb.	.16¼ -	—
Resinate precip dms., dlvd	lb.	.25 -	—
Salicylate, normbal, dms., works	lb.	.41¾-	—
Silicate, bgs., l.c.l., ship't pt., frt. alld	lb.	.1420-	.1475
Stearate, dibasic, dms., works	lb.	.50¾-	—
precip., bbls., c.l.	lb.	.36 -	—
ton lots	lb.	.37 -	—
less ton lots	lb.	.39 -	—
Sulphate (see Lead, blue; Lead, white, basic sulphate)			
tribasic, dms., works	lb.	.24¼-	—
Tallate, liquid, 16% Pb, dms.	lb.	.13¼-	—
solid, 30% Pb, dms	lb.	.20½-	—
White, basic carbonate, bgs., c.l., ship't point, frt. alld.	lb.	.14¾-	—
l.c.l., same basis	lb.	.15¾-	—
basic silicate, bgs., c.l., ship't point, frt. alld	lb.	.14⅝-	.16¼
l.c.l., same basis	lb.	.14⅞-	.17¼
basic sulphate, bgs., c.l., ship't point, frt. alld	lb.	.13¼-	—
l.c.l., same basis	lb.	.14¼-	—
Lecithin, edible, tech., bleached dms., non-ret., c.l., works	lb.	.16 -	—
l.c.l., same basis	lb.	.18½-	—
unbleached, c.l., same basis	lb.	.15 -	—
l.c.l., same basis	lb.	.17½-	—
Lemon peel, bls	lb.	.22 -	.25
Leucine, dextro-laevo, dms., works	lb.	26.00 -	35.00
Licorice extract, mass, cns	lb.	.40 -	.45
powd., bbls.	lb.	.55 -	—
Root, bls	lb.	.08 -	.09
5-lb. bundles, cs	lb.	.40 -	.45
powd., bbls	lb.	.11 -	.12
Lignin extract, tanning grade, bgs., c.l., works	lb.	.05¼-	.06¾
Lime, agricultural, bgs., works	ton.	13.00 -	13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass.	ton.	10.00 -	—
Annville, Pa.	ton.	10.50 -	—
Bellefonte, Pa.	ton.	10.50 -	—
Buffalo, N. Y.	ton.	10.00 -	—
Carey, Ohio	ton.	7.00 -	—
Cedar Hallow, Pa.	ton.	10.50 -	—
Farnams, Mass.	ton.	9.00 -	—
Gibsonburg, Ohio	ton.	8.50 -	—
Hannibal, Mo	ton.	7.50 -	—
Keystone, Ala	ton.	9.75 -	—
Knoxville, Tenn	ton.	9.75 -	—
Limedale, Ark	ton.	9.00 -	—
Longview, Ala.	ton.	9.75 -	—
Martinsburg, W. Va	ton.	10.50 -	—
Menominee, Mich	ton.	8.50 -	—
Mitchell, Ind	ton.	7.50 -	—
Rockland, Maine	ton.	9.00 -	—
Scioto, Ohio	ton.	7.50 -	—
Sherwood, Tenn	ton.	10.00 -	—
Sherwood, Wis.	ton.	8.50 -	—
Woodville, Ohio	ton.	9.50 -	—
York, Pa	ton.	10.50 -	—
Hydrated, paper bgs., Adams, Mass	ton.	11.50 -	—
Annville, Pa	ton.	13.50 -	—
Bellefonte, Pa	ton.	13.50 -	—
Buffalo, N. Y.	ton.	13.50 -	—
Carey, Ohio	ton.	9.00 -	—
Cedar Hollow, Pa	ton.	13.50 -	—

as you were in 1900

Glass-making involved many arduous, cumbersome and even dangerous processes, as did such industries as soap, paper and textile manufacture, water purification and sewage treatment.



as you are today

Many new methods and improved materials take the guesswork —and the hazards —out of modern glass-making.

...with 50 years of service by Niagara Alkali

One of the world's oldest industries is very young in ideas. That's why glass-making has made such strides toward efficiency of operation, quality of products and safety of its workers in the last 50 years.

Fifty years spell progress at Niagara Alkali, too. A pioneer in American production of liquid chlorine and caustic soda, and now observing its fiftieth anniversary, Niagara has shown consistent progress by the development of new and better chemicals which, in turn, stimulate progress in the fields it serves: paper, soap, glass, textiles, sewage treatment, water purification and others.

NIAGARA ALKALI COMPANY

60 East 42nd Street, New York 17, N. Y.

Liquid Chlorine • Caustic Potash • Carbonate of Potash • Paradichlorobenzene • Caustic Soda • NIALK TRICHLORethylene

Green, Chrome, Reduced Color, 56-60%—Hyssop Leaves

Green, chrome, reduced color, 56-60%, bbls., same basis lb. .26½- —
61-65%, bbls., same basis lb. .27½- —
66-70%, bbls., same basis lb. .26¾- —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., works lb. .75 - 1.00
pure, bgs., frt. alld lb. .33 .40
Dyes (see Dyes, coaltar).
Malachite, thioflavin toner, molybdic, bbls., works lb. 3.00 - —
Tungstic, bbls., works lb. 3 40 - —
Paris (see P).
Phthalocyanin toner, bbls., works. lb. 4.40 5.00
Tungstated, brilliant, kgs lb. 3.00 4.00
Emerald, kgs lb. 2.60 —
Verdigris (see V)
Grindelia robusta herb, bls lb. .24 - .30
Guaiac resin, NF, cs lb. 60 - .65
ordinary, cs. lb. .49 - .51
Wood, bls lb. .35 .36
Guaiacol, cryst., tins lb No prices.
Liquid, NF, bots., cbys lb. 1.90 - 1.95
Carbonate, dms lb. 2.95 - 3.00
Guarana, powd., cs. lb. 1.50 1.75
Gum, accroides (see Gum, yacca)
Aloe (see A.)
Ammoniac, tears, cs. lb. 90 - 95
Arabic, amber, sorts, bgs lb. .12 - .13½
powdered, USP, bbls lb. .20½- .21
Asafetida (see A).
Gum asphaltum (see A).
Benzoin, Sumatra, cs lb. .50 - .70
Camphor (see C)
Copal, Congo, No. 1, bgs lb. .25 - .26
No. 2, bgs lb. .18 - .20
No. 3, bgs lb. .13½- .15
Manila, loba, B, bgs lb. .25 - .27
C, bgs lb. .23 - .24½
CBB, bgs lb. .19 - .20
CNE, bgs lb. .13½- .15
DBB, bgs lb. .16½- .17½
DK, bgs lb. .13 - .14
dust, bgs lb. .07 - .08
soft, MA, bgs lb. .11 - .13½
WS, bgs lb. .21 - .22
Philippine, pale, chips, bgs lb. .18½- .20½
nubs, bgs. lb. .22 - .24
seeds, bgs. lb. .15 - .16
sorts, bgs. lb. .17½- .19½
Pontianak, chips, bgs. lb. .22 - .24
nubs, bgs lb. .32 - .35
Dammar, Batavia, A/D, bgs lb. .28 - .30
A/E, bgs lb. .23 - .24
dust, bgs lb. .08½- .09½
E, bgs lb. .13½- .14½
East India, batu, bold, bgs lb. .09 - .10
nubs and chips, bgs lb. .06 - .07
black, bold, bgs lb. .11½- .12½
unscraped, bgs. lb. .09 - .10
nubs and chips, bgs lb. .09 - .10
pale, chips, bgs lb. .12 - .14
nubs, bgs. lb. .20 - .22
Singapore, No. 1, bgs lb. .29 - .32
No. 2, bgs. lb. .22 .23
No. 3, bgs. lb. 10 - 12
dust, bgs. lb. 09 .10
seeds, bgs. lb. 13 .14
Elemi, cns lb. .21 - .28
Gum, ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va. lb. .13 - .13½
wood-rosin type, dms., c.l., dlvd. Ill., Ind., etc. lb. .13 - .13½
Euphorbium, cs. lb. .35 - .40
Galbanum, cs. lb. .75 - .80
Gamboge, pipe, cs lb. 1.15 - 1.25
powd., bbls lb. 1.35 - 1.40
Ghatti, No. 2, bgs lb. .35 - .37
No. 3, bgs lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1 lb. .50 - .51
No. 2 lb. .46 - .47
No. 3 lb. .38 - .39
Kauri, bgs lb. .31½- .32¾
Locust bean, powd., bgs lb. .30 - .32
Mastic, cs. lb. 1.80 - 1.90
Myrrh, cs. lb. .30 - .35
Olibanum, siftings, cs lb. .12 - .13
tears, cs. lb. .16 - .30
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks lb. 1.25 Nom.
Scammony, cs lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs lb. .10 - .11
Tragacanth, No. 1, cs lb. 2.75 - 3.00
No. 2, cs lb. 2.50 - 2.75
No. 3, cs lb. 1.75 - 2.00
powdered, USP, bbls lb. 1.35 - 1.45
Yacca, bgs lb. .06 - —
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton.22.65 - —
Harlem river, N. Y., frt. equald ton.28.25 - —
Medicine Lodge, Kan., frt. equald ton.17.00 - —
Gypsum, Keen's cement, New Brighton, N. Y., frt. equald ton.30.65 - —
Southard, Okla., frt. equald ton.17.00 - —
Sweetwater, Tex., frt. equald ton.21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald ton.12.50 - —
Blue Rapids, Kans., frt. equald ton.10.50 - —
Harlem river, N. Y., frt. equald ton.12.00 - —
Medicine Lodge, Kan., frt. equald ton.12.50 - —
New Brighton, N. Y., frt. equald ton.18.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald. ton.12.50 - —
Sweetwater, Tex., frt. equald ton.12.50 - —
Stucco, paper bgs., Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Gypsum, Ohio, frt. equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald. ton. 8.00 - —
Portsmouth, N. H., frt. equald ton. 8.00 - —
Roton, Texas, frt. equald ton. 8.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald ton. 8.00 - —
Sweetwater, Texas, frt. equald ton 8.00 - —
Terra alba, paper bags., c.l., Harlem River, N. Y. works ton.22.50 - —
New Brighton, N. Y., works ton.21.00 - —

H

Hawthorn berries, bgs lb. .50 - .57
Heliotropin, cryst., cns lb. 2.85 - 3.05
Hellebore root, dom., green, bls lb. .80 - .90
imp., black, whole, bls. lb. .20 - .25
ground, bxs. lb. .25 - .30
powder, bxs. lb. .27 - .32
white, whole, bls. lb. .30 - .40
powder, bxs. lb. .35 - .45
Helonias root, bls lb. 1.65 - 1.75
Hematine extract, cryst., No. 0, bbls., l.c.l lb. .45½- —
No. 1, bbls., l.c.l lb. .44½- —
No. 1A, bbls., l.c.l lb. .41½- —
No. 2, bbls., l.c.l lb. .40½- —
No. 3, bbls., l.c.l lb. .38½- —
No. 4, bbls., l.c.l lb. .36½- —
No. 5, bbls., l.c.l lb. .34½- —
paste, No. 1, bbls., l.c.l lb. .19 - —
No. 2, bbls., l.c.l lb. .18 - —
No. 3, bbls., l.c.l lb. .17 - —
No. 4, (red), bbls., l.c.l lb. .12½- —
Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks.
tanks, works lb. No stocks.
Henbane leaves, bls lb. .35 - .45
Henna leaves, bls lb. .23 - .25
powd., bbls., bgs lb. .27 - .29
Heptane, industrial, Bayonne, N. J., tanks gal. .16 - —
group 3, tanks gal. .12½- .13½
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 1,000-lb. lots, Perth Amboy or N.Y.C. lb. .22 - —
bbls. lb. .22½- —
smaller lots, bgs., same basis. lb. .24 - —
bbls. lb. .24½- —
USP, dms., 500 lbs., or more, same basis lb. .38½- —
smaller lots, same basis lb. .39½- —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, group 3, tanks. gal. .13½- .14½
Bayonne, N. J., tanks gal. .16 - —
Hexanol, normal, dms., c.l., works. lb. .30½- —
l.c.l., works lb. .31 - —
tanks, works lb. .29 - —
Hexyleneglycol, dms., c.l., dlvd lb. .14 - —
l.c.l., dlvd lb. .14½- —
tanks, dlvd lb. .12½- —
Hexylresorcinol, USP, 50 lbs. up, frt. alld lb.17.00 -19.00
works lb.17.00 -25.75
smaller lots, frt. alld lb.18.00 -19.50
works lb.18.00 -31.50
Histamine diphosphate, USP, bots kilo.500.00 - —
Histidine hydrochloride—laevo, NF, fib. dms., 50 kilo lots, works kilo.100.00 -120.00
1-5 kilos, works kilo.110.00 -130.00
Homatropine hydrobromide, USP, bots oz.15.00 -16.00
Hydrochloride, bots oz.20.00 -22.00
Methylbromide, NF oz.13.00 -16.25
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago unit-ton. 7.50 - —
Hops, NF, bls. lb. .40 - .45
Horehound, bls. lb. .17 - .19
Hydrangea root, bls lb. .14 - .17
Hydrastine, bots oz.53.50 -53.80
Hydrochloride, NF oz.29.50 -36.00
Sulphate, bots oz.53.50 -53.80
Hydrastinine, 10-grain bots bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cans, works lb. .30 - .40
Hydrogen peroxide, USP, bbls lb. 03¾- .05
27½%, cbys., E. of Miss. or W. coast via Panama Canal lb. .17½- .19¼
35%, cbys., same basis lb. .23½- —
dms., c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks lb. .19¾- —
Hydroquinone, photographic, bbls., dms lb. .90 - —
tech., dms. lb. .70 - —
Hydroxycitronellal, cns. lb. 5.35 - 7.80
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots. oz.15.75 -16.00
Hydrobromide, bots. lb.16.50 -18.00
Sulphate, bots. oz.13.50 -14.00
Hypernic extract, cryst., No. 1, bbls., l.c.l lb. .56 - —
No. 2, bbls., l.c.l lb. .48 - —
liquid, No. 1, bbls., l.c.l lb. .30 - —
No. 2, bbls., l.c.l lb. .25 - —
solid, No. 1, bxs., l.c.l lb. .44 - —
Hyssop herb, bgs lb. .35 - .45
Leaves, bgs. lb. .45 - .50

An example of Salmonella Typhosa Bacteria, magnified 30,000X by Electron Microscope.

Are Bacteria Biting Into Your Profits?

When bacteria and mold attack, during any stage of production, you are losing profits. Material wastes and production delays which result from attacks of these microorganisms bite deeply into your earnings.

Now you can control such losses with Dowicides, Dow's industrial germicides and fungicides. Dowicides are being successfully used to fight bacteria and mold in the paint, paper, textile, leather, and other industries. They are available in both oil and water-soluble types.

Keep bacteria from biting into your profits! Learn more about Dowicides today. Complete laboratory facilities are maintained by Dow to help you solve your problems. Contact your nearest office or write to Midland.

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Industrial Germicides and Fungicides

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INDISPENSABLE TO INDUSTRY AND AGRICULTURE

I

Iceland moss, bgs.	lb.	.35 -	.40
Ichthammol, F, dms.	lb.	.60 -	.75
Indian red (see Red, Indian).			
Indigo, nat., chests	lb.	2.14 -	2.16
synth., paste, bots	lb.	.23 -	—
powd., bbls	lb.	1.03 -	—
Indol, CP, bots	lb.	17.00 -	19.00
Inositol, tins, dlvd.	lb.	4.83 -	5.00
Insect flowers (see Pyrethrum).			
Iodine, crude, kgs	lb.	1.52 -	1.729
resubl., USP., bots., jars.	lb.	2.30 -	2.48
Iodochlorohydroxyquinolin, NF, dms.	lb.	5.90 -	—
Iodoform, NF, dms., kgs	lb.	4.45 -	4.60
Ionone, alpha, cns	lb.	4.40 -	12.30
beta, cns.	lb.	7.05 -	6.30
IPC, bots., 1-5 lbs	lb.	2.68 -	2.72
fib. dms., 100 lbs., ship't point	lb.	2.30 -	2.50
50 lbs., ship't point	lb.	2.40 -	2.52
10-25 lbs., ship't point	lb.	2.50 -	2.54
Ipecac root, bgs	lb.	4.25 -	4.50
powd., bgs.	lb.	4.65 -	4.90
Irish moss, bleached, prime, bls.	lb.	.16 -	.18
Iron acetate, liquor, 28° bbls., c.l., works	lb.	.09 -	—
t.c.l., works	lb.	.09¾-	—
solut., USP IX, cbys.	lb.	.16 -	—
djns.	lb.	.17 -	—
Cacodylate, NF, bots.	lb.	13.50 -	14.50
Chloride (ferric), anhydr., tech., dms., c.l., works 100 lbs.		5.75 -	—
t.c.l., works 100 lbs.		6.50 -	7.50
cryst., tech., c.l., bbls., works. 100 lbs.		5.00 -	6.00
t.c.l., bbls., works 100 lbs.		5.50 -	8.00
USP, dms., works	lb.	.06¾-	.08¼
solut., 42 Be, 100% basis, tanks, works. 100 lbs.		3.45 -	—
Citrate, gran., dms	lb.	.77 -	.79
Gluconate, NF, dms	lb.	.83 -	.95
Glycerophosphate, N.F., powd	lb	4.25 -	4.35
Hypophosphite, NF, dms.	lb.	2.80 -	—
Iodide, bots	lb.	3.66 -	3.73
Naphthenate, liq., 6% Fe, dms., frt. alld	lb.	.21¼ -	21¾
Oxalate, gran., dms	lb.	83 -	85
Phosphate, soluble, NF, gran., cs.	lb.	.64 -	65
Pyrophosphate, soluble, NF VII, gran., dms	lb.	.69 -	.72
Reduced (see Iron by hydrogen).			
Resinate, 7.4% Fe, dms., frt. alld.	lb.	.23 -	—
Stearate, dms., c.l.	lb.	.34 -	—
ton lots	lb.	.35 -	—
less ton lots	lb.	.36 -	—
Sulphate, ferric, anhyd., bgs., c.l., works	ton.	28.50 -	—
t.c.l., works	ton.	29.50 -	—
ferrous, tech. (see Copperas).			
USP, cryst., bbls., dms	lb.	.09½-	.10
Iron by hydrogen, kgs	lb.	.80 -	.85
Iron-ammonium citrate, green, NF, gran., dms	lb.	.55 -	.58
brown, USP, gran., dms	lb.	.53 -	.58
Oxalate, dms	lb.	.25½-	.28⅛
Iron-potassium oxalate fine gran., dms.	lb.	.30½-	.33⅛
Iron-sodium oxalate, fine gran., dms	lb.	.25½-	.28⅛
Isoborneol, cns.	lb.	.84 -	.95
Isobornyl acetate, cns	lb.	.97 -	1.10
Thiocyanocetate, dms., c.l., works.	gal.	3.85 -	—
t.c.l., works	gal.	3.85 -	4.05
tanks, works	gal.	4.23 -	—
Isobutyl acetate, cns	lb.	.82 -	1.23
Methacrylate, M-5, dms., works	lb.	.60 -	—
cns., works	lb.	.63 -	.67
P-5, cns., works	lb.	.60 -	—
Propionate, cns	lb.	No prices.	
Isobutyraldehyde, dms., works	lb.	.50 -	53
Isoeugenol, cns.	lb.	3.10 -	3.40
Isoleucine, dextro-laevo, with alloisoleucine, dms., works	lb.	25.00 -	35.00
Isopentane, dms., works	lb.	.45 -	.55
Isophorone, dms., c.l., works	lb.	.23½-	—
t.c.l., works	lb.	.24 -	—
tanks, works	lb	.22 -	—
Isopropanol (see Acohol, isopropyl).			
Isopropyl acetate, dms., c.l., frt. alld.	lb.	.10½-	—
t.c.l., same basis	lb.	.11 -	.11½
tanks, same basis	lb.	.09 -	—
Alcohol (see Alcohol, isopropyl).			
Benzene (see Cumene).			
Ether (see Ether, isopropyl)			
Phenylcarbamate (see IPC)			
Isopropylamine, dms., c.l., works	lb.	.24 -	—
t.c.l., same basis	lb.	.25 -	—
tanks, works	lb.	.22½-	—
Isoquinoline, dms., c.l., works	lb.	.20 -	—
t.c.l., works	lb.	.40 -	—

J

Jaborandi leaves, bls.	lb.	.15 -	.20
Jalap root, frt., bls	lb.	.40 -	.45
powd., bbls., bxs	lb.	.45 -	.55
Resin, powd., bxs	lb.	7.15 -	7.25
Juniper berries, bgs	lb.	.08 -	.18
Tar, USP, dms.	lb.	.40 -	.65

K

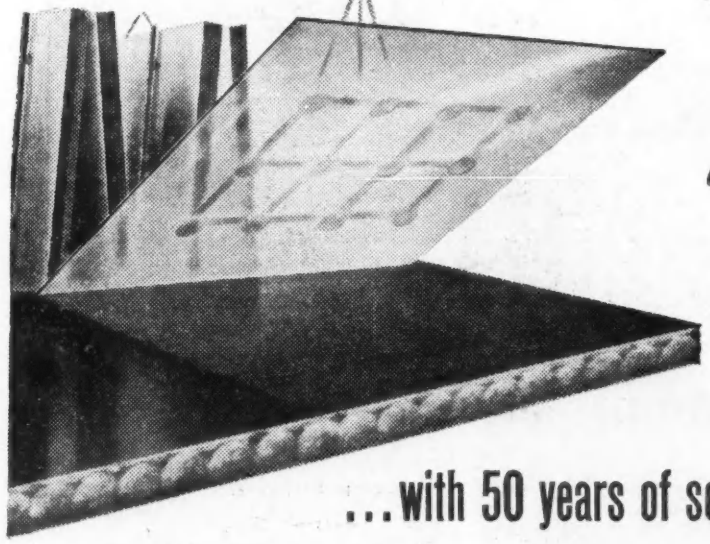
Kamala, powd., cns	lb.	.47 -	.49
Kaolin (see China clay).			
Kava kava root, bls	lb.	.25 -	.30
Kerosene, at refinery: Ark., 42-44 specific gravity, w.w., tanks	gal.	.07875-	—
Bayonne, 41-43 s.g., w.w., tanks.	gal.	.09 -	—
California, 40-43, a.g., w.w., tanks	gal.	.121 -	.156
Gulf ports, 41-43, a.g., w.w. tanks.	gal.	.085 -	.0925
Okla.-Tex., 41-43, a.g., w.w., tanks.	gal.	.07625-	.08375
Penn., 45 s.g., w.w., tanks	gal.	.095 -	.10
Kola nuts, bgs	lb.	.08 -	.10
Kyanite, imp., low iron content, 10-mesh, whse	ton.	85.00 -	95.00
calcined, grain, 10-mesh, whse	ton.	95.00 -	105.00

L

Lady slipper root, bls	lb.	1.50 -	1.75
Lanolin, anhyd., cosmetic, dms., works	lb.	.31 -	.33
pharmaceutical, USP, dms., works	lb.	.29 -	.32
hydrous	lb.	.29 -	30⅛
Lard, cash, trcs., Chicago	lb.	.10½	Nom.
Larkspur seed bg	lb.	.35 -	.40
Laurel berries, bls	lb.	.25 -	.26
Leaves, Portuguese, bls.	lb.	.11 -	.11⅛
Greek, bls.	lb.	.08 -	.08⅛
Yugoslavian, bls.	lb.	.10½-	.11
Lavender flowers, medium, bls.	lb.	.55 -	.60
ordinary, bls.	lb.	.18 -	.20
select, bls	lb	.60 -	.65
Lead acetate, white, crystals, bbls.,	lb.	.19 -	—
gran., bbls.	lb.	.19¾-	—
powd., bbls.	lb.	.19¾-	—
USP, cryst., dms	lb.	.21½-	.26
gran., powd., dms	lb.	.22¼-	.26¾
Lead, arsenate, dealers, basic powder, 3-lb bgs., or larger, c.l., frt. alld.	lb.	.27 -	.30
t.c.l., frt. alld	lb.	.31 -	—
1-lb. bgs., c.l., frt. alld	lb.	.38 -	.41¼
t.c.l., frt. alld	lb.	.39 -	.42½
Lead arsenate prices are works or whse. basis frt. alld. on 96 lbs. or more to dest. East.			
Blue, basic sulphate, bbls., c.l., shipt point, frt. alld.	lb.	.13¼-	—
t.c.l., works	lb.	.14¼-	—
Carbonate (see Lead, white).			
Chloride, fib dms.	lb.	.49 -	—
Iodide, NF V, jars	lb.	2.94 -	3.13
Linoleate, liq., 13% Pb, dms., frt. alld	lb.	.20¼-	—
Metal, pigs, prime, N. Y.	lb.	.12 -	—
E. St. Louis	lb.	.1180-	—
Metallic paste, dms., 30,000-40,000 lbs., works	lb.	.28 -	—
10,000-20,000 lbs., same basis	lb.	.28½-	—
2,000-10,000 lbs., same basis	lb.	.29 -	—
100 to 2,000 lbs., same basis.	lb.	.29½-	—
Prices ex whse, Jersey City, N. J., 4½c. per pound hgher			
Naphthenate, liquid, 16% pb, dms., dlvd	lb.	.15½-	—
24% Pb, dms., dlvd	lb.	.21¼-	—
30% Pb, dms., dlvd	lb.	.25¾-	—
Nitrate, bbls., c.l	lb.	.19 -	—
t.c.l.	lb.	.19¼-	—
Oleate, fused, bbls	lb.	.24 -	—
Orthosilicate gel, 50% PbO, dms., works	lb.	.29½-	—
60% PbO, dms., works	lb.	.28 -	—
Peroxide, powd., tech., bbls	lb.	.33 -	.34
Phthalate, dibasic, dms., works	lb.	.37¼-	—
Lead, red, 95%, Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld.	lb.	.14¾-	—
t.c.l., same basis	lb.	.15¾-	—
97%, Pb_3O_4, bbls., c.l., same basis	lb.	.15 -	—
t.c.l., same basis	lb.	.16 -	—
98%, Pb_3O_4, bbls., c.l., same basis	lb.	.15¼-	—
t.c.l., same basis	lb.	.16¼-	—
Resinate precip dms., dlvd	lb.	.25 -	—
Salicylate, normbal, dms., works	lb.	.41¾-	—
Silicate, bgs., t.c.l., ship't pt., frt. alld	lb.	.1420-	.1473
Stearate, dibasic, dms., works	lb.	.50¼-	—
precip., bbls., c.l.	lb.	.36 -	—
ton lots	lb.	.37 -	—
less ton lots	lb.	.38 -	—
Sulphate (see Lead, blue; Lead, white, basic sulphate)			
tribasic, dms., works	lb.	.24¼-	—
Tallate, liquid, 16% Pb, dms.	lb.	.13¼-	—
solid, 30% Pb, dms	lb.	.20½-	—
White, basic carbonate, bgs., c.l., ship't point, frt. alld.	lb.	.14¾-	—
t.c.l., same basis	lb.	.15¾-	—
basic silicate, bgs., c.l., ship't point, frt. alld	lb.	.14⅜-	.16¼
t.c.l., same basis	lb.	.14⅞-	.17¼
basic sulphate, bgs., c.l., ship't point, frt. alld	lb.	.13¼-	—
t.c.l., same basis	lb.	.14¼-	—
Lecithin, edible, tech., bleached dms., non-ret., c.l., works	lb.	.16 -	—
t.c.l., same basis	lb.	.18½-	—
unbleached, c.l., same basis	lb.	.15 -	—
t.c.l., same basis	lb.	.17½-	—
Lemon peel, bls	lb.	.22 -	.23
Leucine, dextro-laevo, dms., works	lb.	26.00 -	35.00
Licorice extract, mass, cns	lb.	.40 -	.43
powd., bbls.	lb.	.55 -	—
Root, bls	lb.	.08 -	.09
5-lb. bundles, cs	lb.	.40 -	.45
powd., bbls	lb.	.11 -	.12
Lignin extract, tanning grade, bgs., c.l., works	lb.	.05¼-	.06¾
Lime, agricultural, bgs., works	ton.	13.00 -	13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass.	ton.	10.00 -	—
Annville, Pa.	ton.	10.50 -	—
Bellefonte, Pa.	ton.	10.50 -	—
Buffalo, N. Y.	ton.	10.00 -	—
Carey, Ohio	ton.	7.00 -	—
Cedar Hallow, Pa.	ton.	10.50 -	—
Farnams, Mass.	ton.	9.00 -	—
Gibsonburg, Ohio	ton.	8.50 -	—
Hannibal, Mo	ton.	7.50 -	—
Keystone, Ala	ton.	9.75 -	—
Knoxville, Tenn.	ton.	9.75 -	—
Limedale, Ark	ton.	9.00 -	—
Longview, Ala.	ton.	9.75 -	—
Martinsburg, W. Va	ton.	10.00 -	—
Menominee, Mich.	ton.	8.00 -	—
Mitchell, Ind	ton.	7.50 -	—
Rockland, Maine	ton.	9.00 -	—
Scioto, Ohio	ton.	7.50 -	—
Sherwood, Tenn.	ton.	10.00 -	—
Sherwood, Wis.	ton.	8.50 -	—
Woodville, Ohio	ton.	9.50 -	—
York, Pa.	ton.	10.50 -	—
Hydrated, paper bgs., Adams, Mass	ton.	11.50 -	—
Annville, Pa	ton.	13.50 -	—
Bellefonte, Pa	ton.	13.50 -	—
Buffalo, N. Y.	ton.	13.50 -	—
Carey, Ohio	ton.	9.00 -	—
Cedar Hollow, Pa.	ton.	13.50 -	—

as you were in 1900

Glass-making involved many arduous, cumbersome and even dangerous processes, as did such industries as soap, paper and textile manufacture, water purification and sewage treatment.



as you are today

Many new methods and improved materials take the guesswork —and the hazards —out of modern glass-making.

...with 50 years of service by Niagara Alkali

One of the world's oldest industries is very young in ideas. That's why glass-making has made such strides toward efficiency of operation, quality of products and safety of its workers in the last 50 years.

Fifty years spell progress at Niagara Alkali, too. A pioneer in American production of liquid chlorine and caustic soda, and now observing its fiftieth anniversary, Niagara has shown consistent progress by the development of new and better chemicals which, in turn, stimulate progress in the fields it serves: paper, soap, glass, textiles, sewage treatment, water purification and others.

NIAGARA ALKALI COMPANY

60 East 42nd Street, New York 17, N. Y.

Liquid Chlorine • Caustic Potash • Carbonate of Potash • Paradichlorobenzene • Caustic Soda • NIALK TRICHLORethylene

Lime, Hydrated—Methanol, Synthetic

Lime, hydrated, paper bgs., Engle, W. Va. ton 13.00 • —
Farnams, Mass. ton 11.50 • —
Gibsonburg, Ohio ton 9.50 • —
Hannibal, Mo. ton 9.50 • —
Keystone, Ala. ton 13.00 • —
Knoxville, Tenn. ton 12.25 • —
Limedale, Ark. ton 10.50 • —
Longview Ala. ton 13.00 • —
Manistique, Mich. ton 9.50 • —
Marblehead, Ohio. ton 10.50 • —
Mitchell, Ind. ton 10.00 • —
Petoskey, Mich. ton 10.00 • —
Port Island, Mich. ton 9.00 • —
Rapid City, S. Dak. ton 12.00 • —
Rockland, Maine ton 9.00 • —
Scioto, Ohio ton 9.00 • —
Sherwood, Tenn. ton 13.00 • —
Sherwood, Wis. ton 10.00 • —
Springfield, Mo. ton 9.00 • —
Woodyville, Ohio ton 8.50 • —
York, Pa. ton 13.50 • —

Spray, paper bgs., Adams, Mass. ton 11.70 • —
Annville, Pa. ton 13.50 • —
Bellefonte, Pa. ton 13.50 • —
Carey, Ohio ton 11.00 • —
Engle, W Va. ton 13.00 • —
Farnams, Mass. ton 9.50 • —
Gibsonburg, Ohio ton 10.00 • —
Marblehead, Ohio ton 10.00 • —
Rockland, Me. ton 10.00 • —
Scioto, Ohio ton 10.00 • —
Woodville, Ohio ton 10.00 • —
York, Pa. ton 13.50 • —

Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).

Limestone, grd., bgs., works ton 3.50 - 4.00
Linalool, ex bois de rose lb. 4.50 - 6.85
ex lignaloe wood lb. 6.50 - 7.00
Linalyl acetate, ex bois de rose, bots. lb. 4.20 - 7.20
ex petitgrain, bots. lb. 4.25 - 6.00
Lindane, 25%, works, cans lb. 3.00 - 3.05
dms., works lb. 2.95 - —
Linden flowers with leaves, bls. lb. .22 - .25
without leaves, bls. lb. .22 - .28
Linseed meal, 34% sulk., Midwest mills ton 67.00 • —
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld lb. .13¾-
l.c.l., same basis lb. .14¾-
Lithium benzoate, dms. lb. 1.65 • —
Bromide, NF, bbls., works, frt. equald lb. 1.90 • —
Carbonate, NF, bbls. kgs lb. 1.10 - 1.15
Chloride, cryst., dms lb. .93 • —
Citrate, NF, bbls., dms., kgs. lb. 1.25 - 1.40
Fluoride, bbls lb. 1.80 - 2.00
Hydroxide, dms lb. 1.00 - 1.25
Salicylate, dms. lb. 1.62 1.70
Lithopone, ordinary, bgs., c.l., ship't point lb. .06¼ —
l.c.l., same basis lb. .06½- .06⅝
Titanated (high-strength), bgs., c.l. lb. .08¼- —
smaller lots lb. .08½- —
Lithopone prices, Pacific Coast, ¾c. per lb higher.
Liverwort leaves, bls. lb. .75 .80
Lobelia herb, bls lb. .83 - .88
leaves, NF lb. .87 - .92
Lobeline sulphate, bots., works oz. 34.00 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .38½- —
No. 2, bbls., l.c.l. lb. .36½- —
Logwood extract, liquid, No. 1, bbls., l.c.l. lb. .18½- —
No. 2, bbls., l.c.l. lb. .17½- —
No. 3, bbls., l.c.l. lb. .17 • —
No. 4, bbls., l.c.l. lb. .16½- —
solid, No. 1, bxs., l.c.l. lb. .33 • —
No. 2, bxs., l.c.l. lb. .31 • —
No. 3, bxs., l.c.l. lb. .28¼- —
No. 4, bxs., l.c.l. lb. .28 • —
No. 5, bxs., l.c.l. lb. .26½- —
No. 6, bxs., l.c.l. lb. .44½- .49¼
Lovage root, imp., bls. lb. 1.00 - 1.10
Lupulin, tins lb 1.95 - 2.00
Lycopodium, cs lb. 1.45 - 2.00
Lysine hydrochloride, dextro-laevo. kilo. 145.00 -149.00

M

Mace, Amboyna, bls lb. .73 .74
Banda, No. 1, bls lb 1.05 Nom.
Siauw, No. 1, bbls lb. .98 - .99
West Indian, bls. lb. .85 - .86
broken, bls. lb. .74 - .75
Madder, Dutch, bgs lb. .29 - .32
Magnesia, calcined, tech., ctns., works lb. .32 —
synth., rubber grade, ctns., works lb. .29 .31
USP, light ctns lb. .34 - —
heavy, bbls lb. .36 - —
Magnesium arsenate, bgs., cans, works lb. .20 - .30
Bromide, jars lb. .90 1.00
Carbonate, tech., bgs., c.s., frt. equald lb. .09 - —
l.c.l., frt. alld. lb. .10 - —
bbls., c.l., frt. equald lb. .10¼- —
l.c.l., frt. alld. lb. .11¼- —
kgs., c.l., frt. equald lb. .11½- —
l.c.l., frt. alld. lb. .12½- —
Magnesium carbonate, USP, bgs., l.c.l., frt. equald lb. .10¾- —
l.c.l., frt. alld. lb. .11¾- —
bbls., c.l., frt. equald lb. .11¼- —
l.c.l., frt. alld. lb. .12¼- —
kgs., c.l., frt. equald lb. .12½- —
l.c.l., frt. alld. lb. .13½- —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila. county, Pa. Frt. equald. with N. Y. C. on all other destinations.

Chloride, anhyd., dms., works lb. .12¼- —
flake, bbls. c.l., works ton 40.00 • —
l.c.l., works ton 44.00 -46.00
Gluconate, dms., cns lb. 1.86 - 1.93
Glycerophosphate, dms., works lb. 4.85 - 4.95
Hydroxide, NF, medicinal, bbls., dms., kgs. lb. .29 - .30
Hypophosphite, dms. lb. 1.60 —
Laurate, bbls lb. .46 - .47
Metal, 99.8% ingots, cs., works lb. .20½- —
sticks, cs., works lb. .34 - .38
Oleate, fused, bbls lb. .31 - —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works lb 1.00 - 1.05
Phosphate, tribasic, NF, bbls. lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .09 - .10
Stearate, ctns., c.l. lb. .35 - —
smaller lots lb. .36 - .37
Sulphate (see Epsom salt).
Trisilicate, USP, dms., 1,000-lb. lots lb. .43 • —
100-lb. lots lb. .50 • —
Magnesite, chemical grade, bgs., c.l., mines, Calif. ton 67.50 • —
dead-burnt, bulk, c.l., Chewalah, Wash. ton 30.50 • —
Maleic anhydride, dms., c.l., frt. alld. lb. .30 • —
l.c.l. lb. .31 • —
Prices on maleic anhydride West of Rockies 1½c. higher.
Malva flowers, black, bls lb. 1.00 - 1.25
Blue, bls. lb. .95 - 1.10
Leaves, bls lb. .35 - .40
Manaca root, bls lb. .49 - .50
Mandrake root, bls lb. .45 - .50
Manganese acetate, bbls. lb. .32 - —
Arsenate, bgs lb. .12 - .12¼
Borate, tech., bbls lb. .23 - —
Carbonate, bbls lb. .19 - —
Chloride, anhyd., dms., works lb. .18 - .19
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works ton 74.00 • —
smaller lots, works ton 77.00 -82.00
burlap bgs., c.l., works ton 71.75 • —
l.c.l., works ton 74.75 -79.79
paper bgs., c.l., works ton 70.00 • —
l.c.l., works ton 73.00 • —
85-90%, bbls., c.l., works ton 74.00 • —
smaller lots, works ton 77.00 -82.00
Gluconate, dms., cns lb. 1.88 - 1.93
Glycerophosphate, NF, fib. dms lb. 4.15 - 4.25
Hydrate, bbls., dlvd lb. .26 - —
Hypophosphite, NF, dms lb. 2.00 - —
Linoleate, liquid, 4.35% Mn, dms lb. .39¼- —
solid, precip., 8.2% Mn, bbls., lb. .41½- —
Metal, cs, dlvd. East lb. .30 - .32
Naphthenate, liquid, 6% Mn, dms., frt. alld. to lb. .22¾ - .23¼
Oleate, precip, bbls lb. .33½- —
Resinate, fused, 3½% Mn, dms. lb. .20 - —
precip., dms lb. .21½- —
Stearate, ctns., c.l. lb. .35 - —
smaller lots lb. .36 - .37
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E. ton 60.00 • —
l.c.l., dlvd. S. E. ton 67.00 • —
feed grade, 80%, bgs., dlvd. S. E. lb. .05¼- .07
75%, bgs. c.l., dlvd. S. E ton 68.50 • —
l.c.l., dlvd. S. E. ton 75.50 • —
Tallate, liquid, 4% Mn, dms lb. No prices.
solid, 8% Mn, dms lb. No prices.
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton. No stocks.
So. American, 30-32% tannin, c.l., ex dock ton. 65.00 • —
Manna, flake, large, cs lb. 1.25 - 1.35
small, cs lb. .85 - 1.00
Mannitol, com'l, dms., works lb. .40 - .43
reagent, 50-lb. dms., works lb. .85 - —
Marjoram, Argentine, bls lb. .14 Nom.
Chilean, bls. lb. .45 Nom.
French, bls. lb. .52 - .53
Matico leaves, bls lb. .25 - .33
Melamine, bgs., ton lots, works lb. .33 • —
500 lbs. or more, works lb. .33½- —
less 500 lbs., works lb. .38½- —
Menadione, USP, bots., works gram .06½ —
Menthol, natural, USP, Brazilian lb. 10.65 -10.90
synthetic, USP, racemic, cns lb. 7.25 Nom.
Menthyl salicylate, tins lb. 4.00 - 4.25
Mercaptobenzo thiazole, 50-lb. bgs., 150-lb. containers, ton lots, works, frt. alld., ton lots lb. .27 • —
less ton lots, same basis lb. .29 • —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, dms. lb. 2.13 - 2.15
Chloride (see Calomel).
Cyanide, NF, cryst., powd lb. 3.27 - 3.32
Iodide, red, NF, dms lb. 4.07 • —
Yellow, NF, fib. dms lb. 4.22 • —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms. lb. 2.44 - 2.46
Mesityl oxide, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd lb. .13½- —
tanks, dlvd lb. .11½- —
Metaldehyde, dms., works lb. .78 - —
Metachloraniline, dms., works lb. .75 - —
Metacresol, 98%, dms., c.l., works lb. .55 - .80
works, l.c.l lb. .56 - —
80-82%, dms., works lb. .35 - —
70-75%, dms., works lb. .30 - —
Metaparaisopropylphenol, dms., c.l. lb. .21 - —
l.c.l. lb. .22 - —
tanks lb. .20 - —
Metanitroparatoluidin, bbls lb. 1.28 - 1.33
Metaphenyleuediamine, kgs lb. .76 - —
Metatoluidine, bbls., works lb. .80 - —
Metatolylenediamine, kgs lb. .85 - —
Methanol, natural, dms., c.l., frt. alld gal. .58 - —
l.c.l., frt. alld gal. .61 - —
tanks, frt. alld gal. .59 - —
Prices on natural methanol W. of Miss. 3c. higher.
synthetic, eastern production, zone 1, dms., c.l., frt. alld. gal. .38 - —
l.c.l., frt. alld gal. .41 - —
tanks, frt. alld gal. .26 - —
zone 2, dms., c.l., frt. alld. gal. .45 - —
l.c.l., ex whse gal. .47½- —
tanks, frt. alld gal. .31 - —

Synthetic methanol zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.

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Methanol, synthetic, Texas production, Midwest and Gulf states, deliveries, dms., c.l., frt. alld. .38 - —
tanks, frt. alld. gal. .26 - —
West of Rockies, dms., c.l., frt. alld. gal. .43 - —
tanks, frt. alld. gal. .31 - —
Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms., works, 50-lb. or more lb. 6.25 - 7.00
1 to 49-lb. lots, works lb. 6.75 - 7.50
Methoxychlor, dealers, dms., cs., works lb. .65 - —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 lb. .17 - —
l.c.l., same basis lb. .17½ - —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 lb. .17¼ - —
l.c.l., same basis lb. .17¾ - —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetate, dms., c.l., dlvd., N. Y. lb .08 - —
l.c.l., same basis lb .08½ - —
Acetoacetate, dms., c.l., works lb. .49½ - —
l.c.l., same basis lb .50 - —
tanks, works lb .48 - —

Methyl acetoacetate prices frt. alld. W., ½c. higher.

Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld. gal. .66 - —
l.c.l., same basis gal. .71 - —

Natural methyl acetone group A prices W. of Miss. 3c. per gal. higher.

Group B, dms., incl., E. Miss., frt. alld., any quantity gal. .50 - —
synthetic, dms., c.l., works, frt. alld. E gal. .53 - —
frt. alld. W gal. .57 - —
l.c.l., works, frt. alld. E gal. .56½ - —
frt. alld. W gal. .60½ - —
tanks, works, frt. alld. E gal. .43½ - —
frt. alld. W gal. .47 - —

Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Alcohol (see Methanol).
Anthranilate, 100 lbs. or more lb. 2.10 - 2.90
extra lb. 4.00 - 4.40
Benzoate, cns. lb. .55 - 1.20
Bromide, dealers, cns lb. .69 - .71
cyls. lb. .60 - .78
Chloride, indust., cyl., works lb. .17 - —
tanks, multi-unit, works lb. .13 - —
single-unit, works lb. .10½ - —
refrigerator mfrs., cyls., dlvd. lb. .37 - —
other consumers or service men, cyls., dlvd. lb. .42 - —
Cinnamate, cns. lb. 1.48 - 1.65
Formate, refd., dms lb. .35 - 40
tech., non-ret. dms., any quantity, works lb. .08 - —
tanks, works lb. .07 - —
Heptin carbonate, bots lb. 36.00 - 38.00
Iodide, bots. lb. 4.78 - 5.07
Lactate, dms., l.c.l., works lb. .35 - —
Methacrylate, M-1, dms., works lb. .45 - —
cns, works lb. .48 - .58
P-1, cns., works lb. .60 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib. dms. lb. 1.90 - 2.00
Roseanilin chloride, USP, bots. lb. 5.15 - 5.20
Salicylate, USP, dms., 500 lbs. lb. .40 - —
25-50 lbs. lb. .45 - —
Testosterone, USP, 100 gms. gm. 3.50 - —
Methylal, refined, 95%, dms., c.l., works lb. .11 - —
l.c.l., works lb. .12 - —
tanks, works lb. .09 - —
Methylamyl acetate, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd lb. .13½ - —
tanks, dlvd lb. .11½ - —
Ketone, dms., works lb. .70 - —
Methylcellulose, special vis., (4,000 cps.), fib. ctns., c.l., frt. alld. lb. .68 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots, frt. alld. on 100 lbs. lb. .73 - .80
standard vis., (15-1,500 cps.), fib. ctns., c.l., frt. alld lb. .62 - —
2,000 lbs. and more, same basis lb. .63 - —
smaller lots, frt. alld. on 100 lbs. lb. .68 - .73
Methylene blue, USP, 100-lb. lots, kgs., frt. equald lb. 2.87 - —
smaller lots, kgs., same basis lb. 3.02 - 3.22
Chloride, indust., dms., c.l., dlvd. E lb. .12½ - —
l.c.l., dlvd E lb. .13½ - —
tanks, dlvd. E lb. .11½ - —
Methylethyl ketone, dms., c.l., dlvd lb. .10½ - —
l.c.l., dlvd lb. .11 - —
tanks, dlvd lb. .09 - —
Methylhexyl ketone, tech., dms., works lb. .60 - —
Methylionone, A, cns lb. 6.55 - 8.80
D, cns lb. 7.50 - 9.55
prime, cns lb. 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd lb. .12½ - —
l.c.l., dlvd lb. .13 - —
tanks, dlvd lb. .11 - —
Methylnaphthyl ketone, cns lb. 3.00 - 3.75
Methylparaben (see Methylparahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol)
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .03¼ - —
roofing, 20 to 80 mesh, works lb. .03⅜ - —
wet-grd., biotite, bgs., c.l., works, frt. alld., E lb. .05½ - —
l.c.l., ex whse., or frt. alld. E lb. .06¼ - —
extra fine, bgs., c.l., works, frt. alld., E lb. .05½ - —
l.c.l., ex whse. or frt. alld. E lb. .06¼ - —
paint or lacq., bgs., c.l., works, frt. alld., E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾ - —
rubber, bgs., c.l., works, frt. alld. E lb. .06¾ - —
l.c.l., ex whse. or frt. alld. E lb. .07½ - —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾ - —
white, extra fine, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾ - —

Mica, wet-grd., W. of Miss. R., ½c. higher, W. of Rockies, 1c. higher

Milk powder, skimmed, roller, bbls., c.l. lb. .11 - .13½
spray, bbls., c.l. lb. .12½ - .14¼
Whole, roller, bbls., c.l. lb. .28 - .33
spray, bbls., c.l. lb. .28½ - .35¼

Milk sugar, crude, bgs., c.l., works lb. .16½ - —
edible, bbls., works, 30,000-lb. lots lb. .24 - —
2,000-lb. lots lb. .24¾ - —
200-1,800-lb. lots lb. .25¼ - —
USP, bbls., works 30,000-lb. lots lb. .26 - —
2,000-lb. lots lb. .26¾ - —
200-1,800-lb. lots lb. .27¼ - —
Molasses, blackstrap, tanks gal. .06 - —
New Orleans, tanks gal. .06 - —
Molybdate orange (see Orange molybdate).
Mineral spirits (see Petroleum, mineral spirits).
Molybdenum metal, 99% Mo., powd., kgs lb. 2.60 - 3.00
pure, kgs., works, basis Mo. content lb. .95 - —
technical, kgs., works, basis Mo. content lb. .80 - —
Monochlorobenzene, dms., c.l., works, frt. alld lb. .07 - .08
l.c.l., works, frt. equald lb. .08 - .10
tanks, works, frt. equald lb. .06 - .06½
Monoethanolamine, dms., c.l., frt. alld. E lb. .27 - —
l.c.l., same basis lb. .28 - —
tanks, same basis lb. .25½ - —
Monoethylamine, dms., c.l., frt. alld., basis 100% lb. .21½ - —
l.c.l., same basis lb. .22½ - —
tanks, same basis lb. .20 - —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .35 - —
l.c.l., same basis lb. .35½ - .38
tanks, same basis lb. .31 - —
Monomethylaniline, dms., works lb. .70 - —
Monononylnaphthalene, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).

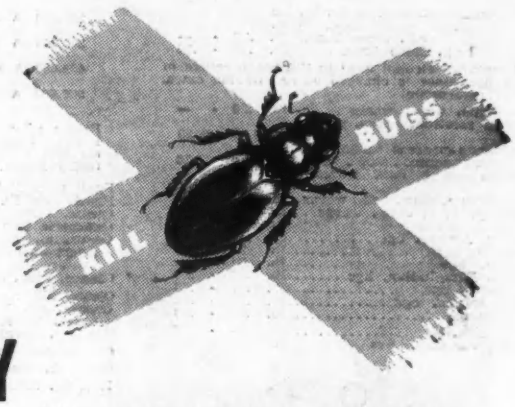
Methanol, Synthetic, Texas Production—Neocinchophen

Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
tanks, works lb .49 - —
Morphine, cns. oz. 12.35 - 12.40
Acetate, cns. oz. 9.85 - 9.90
Hydrobromide, cns. oz. 9.80 - —
Hydrochloride, NF, cns oz. 9.90 - —
Sulphate, USP, cns oz. 9.90 - —
Morpholine, dms., c.l., works lb. .60½ - —
l.c.l., works lb. .61 - —
tanks, works lb. .59 - —
Mountain ash berries, bgs lb. 65 - .75
Mullein flowers, cs. lb. 1.25 - 1.30
Leaves, bls. lb. .12 - .16
Musk, nat., Tonquin, grains, bots. oz. 25.00 - 30.00
synthetic—Ambrette, 100 lbs. lb. 5.40 - —
25 lbs. lb 5.50 - —
5 lbs. lb. 5.65 - —
Ketone, 100 lbs. lb. 4.95 - —
25 lbs. lb. 5.05 - —
5 lbs lb. 5.20 - —
Xylol, 100 lbs. lb. 1.60 - —
25 lbs. lb. 1.70 - —
5 lbs lb. 1.85 - —
Musk root, bls lb. No prices.
Mustard seed, Calif., brown, f.o.b. source lb. .07½ - .08
Danish, bgs., futures lb. .11½ - .12
Dutch, yellow, bgs., futures lb. .13 - .13⅛
English, yellow, bgs lb. .11½ - .12
Montana, brown, bgs., source lb. .05½ - .06
Oriental, bgs., source lb. .07¼ - .07½
yellow, bgs., source lb. .11 - .11⅛
Washington, yellow, source, bgs lb. .12 - .12½

Myrobalans, J1, assorted, ex dock ton. 52.00 - 54.00
J1 crushed, ex dock ton. 75.00 - —
J2, ex dock ton. 42.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, bgs., bbls., frt. equald lb. .06 - —
tanks, same basis lb. .0525 - —
78°, bgs., c.l., works, frt. equald lb. .0633 - —
l.c.l., same basis lb. .0680 - —
Naphthalene, dom., crude, 78°, bbls., c.l., same basis lb. .0635 - —
l.c.l., same basis lb. .0690 - —
78°, dms., c.l., same basis lb. .0750 - —
l.c.l., same basis lb. .08 - —
tanks, same basis lb. .0575 - —
refined, industrial, bbls., c.l., frt. equald lb. .10 - —
bgs., c.l., same basis lb. .09½ - —
tanks, same basis lb. .09 - —
balls, flakes, wholesalers, jobbers, 50-lb. cs., c.l., same basis lb. .12¼ - —
bbls., c.l., same basis, lb. .12 - —
1-lb. pkgs., c.l., same basis lb. .14 - —
Imported, crude, 78°, 100 ton lots lb. .03½ - —
Neocinchophen, USP, dms., works lb. 7.00 - 7.35



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Nerolin, cns lb 2.00 - 2.25
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb .50 - —
Carbonate, bbls., dlvd lb .48 - .50
Chloride, bbls., dlvd lb .23 - —
Cyanide, bots., dms lb 1.75 - 2.00
Formate, bbls., ton lots, dlvd lb .43½- —
Metal, electro cathodes, cs lb .40 - —
Nitrate, bbls., works lb .24½- .25½
Oxide, black, bbls lb .42 - —
Sulphate, bgs., c.l., dlvd lb .18 - —
l.c.l., dlvd lb .18½- —
Nicotinamide, USP, dms., works kilo 11.00 -11.30
Hydrochloride, dms., works kilo 10.50 -10.80
Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. alld. over 70 lbs., dm 49.40 - —
tins, 10 lbs., dealers, frt. alld. on cases of 6 tin 10.85 - —
Nikethamide, bots., cbys lb 5.50 - 6.60
Nitercake, bulk, works ton No stocks.
Nitrobenzene, dbl. dist., dms., c.l lb .09 - .09½
l.c.l. lb .10 - .11
tanks lb .08 - .08½
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight lb .28 - —
l.c.l., same basis lb .29 - .31
18-25 cps., bbls., c.l., same basis lb .30 - —
l.c.l., same basis lb .31 - .33
18-25 cps., 250-400 sec., and 600-1,000 secs., bbls., c.l., same basis lb .32 - —
l.c.l., same basis lb .33 - .35
spirit-soluble, 30-35 cps, ¼, ½, 5-6 and 40-50 secs., bbls., c.l., same basis lb .32 - —
l.c.l., same basis lb .33 - .35
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.
Nitroethane, dms., works lb .30 - —
Nitrogen solution, tanks, works, N. ton 120.00 -126.23
Nitrogenous process tankage, bulk, works, ammo., ship't unit-ton 3.70 - 4.10
Sewage sludge, bulk, works, unit ton 3.25 + .40
Nitromethane, dms., l.c.l., works lb .30 - —
Nitropropane, 1, dms., works lb .30 - —
2, dms., works lb .30 - —
Nutgalls, Aleppo, bgs lb .43 - —
Chinese, bgs lb .38 - —
Istrian, bgs lb .31 - —
Nutmeg, East Indian, bgs lb .49 - .50
futures, bgs lb .47 - .48
West Indian, bgs lb .30 - .31
futures lb .29 - .30
Nux vomica, bls lb .10 - .12
powdered, bbls., bxs lb .13 - .14

O

Oakbark extract, 25% tannin, bbls., c.l., works lb No stocks
Octane, 100°-140° C, industrial grade, group 3, dms., c.l gal .19 - —
l.c.l. gal .21 - .60
tanks gal .15½- —
100° C, Bayonne, N. J., tanks gal .16 - —
Octanol, normal, tech., dms., c.l., dlvd lb .34½- —
l.c.l., dlvd lb .36½- —
tanks, dlvd lb .32 - —
Oil, abies sibirica, cns lb 4.00 - 5.50
Almond, artificial, bitter, (see Benzaldehyde)
natural, bitter, F.P.A., bots lb 3.40 - 5.00
NF, bots lb 3.25 - 3.50
Sweet, dms., cns lb .70 - .95
Amyris, dms lb 1.55 - 1.95
Angelica root, bots lb 120.00 -190.00
Seed, bots lb 80.00 -100.00
Anilin (see A).
Anise, USP, Chinese, dms lb 1.20 - 1.60
Apricot kernel, USP, dms lb .42 - .60
Avocado, cns., dms lb 1.00 - 1.10
Babassu, crude, tankcars lb .18¼- —
Bay, NF, Puerto Rican, 50-55%, cns lb 1.20 - 1.50
55-60%, cns lb 1.20 - 1.60
West Indian, 50-55%, cns lb 1.20 - 1.60
Bergamot, artif., cns lb 2.00 - 4.25
natural, Italian, cns lb 4.40 - 5.00
Birchtar, crude, cns lb .95 - 1.76
rectified, NF cns lb 4.15 - 4.25
Bois de rose, Brazil lb 2.95 - 3.60
Mexican (see Oil, linaloe wood).
Bone, dms., works gal .65 - .70
Cajeput, tech., dms lb 1.65 - 2.00
redistilled, USP, cns lb 2.20 - 4.50
Calamus, cns lb 20.00 -28.00
Camphor, natural, white, cns lb .30 - .50
dms. lb .25 - .50
Cananga, native, cns lb 2.75 - 4.00
rectified, cns. lb 3.50 - 5.50
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns lb 3.65 - 6.50
Cardamom, NF, bots lb 54.00 -70.00
Cassia, USP, cns lb 1.90 - 3.00
Castor, blown, dms., c.l lb .20¼- —
dms., l.c.l. lb .20¾- —
standard, USP, dms., c.l lb .18¼- —
l.c.l. lb .18¾- —
tanks lb .17¼- —
refined and deodorized, dms., c.l lb .19¾- —
l.c.l. lb .20¼- —
tankcars lb .18¾- —
dehydrated, bodied, dms., c.l. lb .22 - —
l.c.l. lb .22½- —
tanks lb .21 - —
unbodied, dms., c.l. lb .21 - —
l.c.l. lb .21½- —
tanks lb .20 - —
hydrogenated, dms., c.l., works. lb .28 - —
l.c.l., same basis lb .29 - —
No. 3, tech., dms., c.l lb .17 - —
l.c.l. lb .17½- —
tanks lb .16 - —
sulphonated, 50% (48% fat), dms lb .12 - .13
75% (60-62% fat), dms lb .15¾- .16¼
Cedarleaf, tech., cns., dms lb 1.65 - 1.70
USP, dms. lb 1.70 - 1.85
Cedarwood, cns. lb .44 - .55
dms. lb .32 - .50
Celeryseed, bots lb 15.00 -18.50
Chaulmoogra, NF, cns., wms lb .55 - 70
Chinawood (see Oil, tung).
Cinnamon bark, bots lb 27.00 -60.00
Leaf, Ceylon lb 1.50 - 1.75
Seychelle lb 1.35 - —
Citronella, Ceylon, cns lb 1.05 - 1.50
Java, and Java-type, cns lb 1.65 - 2.00
Clove, USP, from Madagascar buds, cns., dms lb 1.45 - 1.85
from Zanzibar, buds, cns., dms. lb 1.70 - 2.20
Coconut, crude, tanks, Atlantic ports lb .15¼- —
Pac. Coast lb .13¾- —
refined, Cochin type, tax incl., dms., l.c.l lb .23½- —
deodorized, tax incl., dms., l.c.l lb .25 - —
Cod, Newfoundland, dms lb .09 - .10
Codliver, USP, dms gal 1.40 - 1.55
Coriander, bots lb 25.00 -35.00
Corn, crude, tanks, works lb .11¼- .11½
foots, acid, 95%, tanks, dlvd. E lb .04 - —
raw, 50%, tanks, dlvd. E lb .01 Nom.
refined, dms., New York lb .16 - .16½
tanks lb .14 - —
Costus, bots. oz 35.00 - —
Cottonseed, crude, tanks, Southeast and Valley lb .10¼- —
foots, acid 95%, tanks, dlvd. E lb .03 - —
raw, 50%, tanks, dlvd. E lb .01 - —
refined, dms lb .15½- .16
tankcars lb .13¾- —
Creosote (see Creosote, coaltar).
Croton, NF, cns lb 4.75 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns. lb 7.00 - 7.50
Cumin, bots. lb 6.25 -11.50
Cypress, bots. lb 11.00 -15.00
Degras (see D).
Dillseed, bots lb 6.75 - 9.50
Dillweed, bots., dms lb 5.65 - 6.50
Dip (see D).
Erigeron, cns lb 5.00 - 5.25
Eucalyptus, rectified, USP, 80-90%, cns lb .70 - 1.45
70-80%, cns lb .58 - 1.30
Fennel, sweet, cns lb 2.50 - 3.00
Fir, Canada, cns lb 1.85 - 1.95
Fishliver, crude, for feeds or concentrating, 6,000 to 12,000 A units, dms, 1,000,000 units. .13 - .14
15,000 to 20,000 A units, dms, 1,000,000 units. .14¼- .14½
25,000 to 35,000 A units, dms, 1,000,000 units. .16½- .17½
40,000 to 55,000 A units, dms, 1,000,000 units. .18 - .18½
prime, natural, or concentrate, 100,000 A units, dms 1,000,000 units. .24 - —
200,000 A units, dms 1,000,000 units. .28 - —
300,000 A units, dms 1,000,000 units. .31 - —
400,000 A units, dms 1,000,000 units. .33 - —
500,000 A units, dms 1,000,000 units. .36 - —
Prices of crude fishliver oils are based on E-x-2000 (International) factor. Prices on prime oil and concentrates are based on E-x-1894 (USP) factor.
Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots oz 9.00 -15.00
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns lb 10.50 -14.50
Bourbon, cns. lb 12.00 -14.50
Turkish (see Oil, palmarosa).
Ginger, dist., bots lb 21.00 -28.00
Grapefruit lb .80 - 1.25
Grease, No. 1, dms lb .11½- .12
extra, Winter, strained, dms lb .12¾- .13¼
prime, burning, dms lb .14¼- .14¾
Guaiacwood, cns lb 1.85 - 2.15
Hemlock, cns lb 1.65 - 2.75
Herring, crude, tanks, Pac. coast. lb No prices.
Juniper berry, NF VIII, bots lb 3.00 - 7.00
twice rectified lb 4.75 - 5.00
Tar, USP (see Juniper tar).
Wood, tech., cns lb .65 - 1.00
Lard (see Oil, grease).
Laurel, bots. lb 9.75 -12.50
Lavandin, cns. lb 1.30 - 1.85
Lavender flower, French, 40-42% ester, cns lb 4.15 - 5.15
38-42% ester, cns lb 3.20 - 5.15
30-32% ester, cns lb 2.20 - 3.25
Spike, Spanish, cns lb .90 - 1.60
Lemon, USP, Calif., cns lb 2.75 - 3.25
Messina lb 2.55 - 5.00
terpeneless, bots lb 32.00 -65.00
Lemongrass, cns., dms lb 2.25 - 3.00
Lignaloe seed, Mexican, cns lb 4.50 - 4.80
Wood, Brazilian (see Oil, bois de rose).
Mexican, cns lb 2.75 - 5.20
Limet, distilled, Mexican, cns lb 5.25 - 6.50
West Indian, cns lb 5.75 - 7.50
expressed, West Indian, cns lb 7.25 -11.25
terpeneless, bot lb 55.00 -65.00
Linseed, raw, dms., c.l., Zone 3 lb .1850- —
l.c.l. lb .1910- .1950
tankcars lb .1730- —
tankwagon lb .1760- —
Boiled linseed oil .007 higher than raw.
Lubricating, at refinery, ex tax, Group 3, bright stock, 150-160 vis., 10-25 p.p. tanks. gal .285 - —
neutral, 300 vis., No. 3, col., 0.10 pour, tanks gal .21 - .22
200 vis., No. 3, col., 15-25 pour, tanks gal .18 - .19
145-155 vis., No. 3, color, 10-25 pour, tanks gal .285 - —
Penna., W. cylinder, 600-680 flash, tanks gal .33 - —
600-650 steam refd., tanks. gal .37 - —
neutral, 70°F, No. 3 color, 150 vis., 25 pour, tanks. gal .37 - .39
200 vis., 25 pour, tanks. gal .39 - .41
South Texas, neutral, pale, 200 vis., 2¼-4 pour, tanks. gal .11 - .12
red, 200 vis., 4-6½ pour, tanks gal .11 - .12½
Mace, dist., cns., dms lb 3.45 - 3.85
Mandarin, Brazilian, cns lb 9.25 - —
Italian, cns lb 6.75 - 9.75
Menhaden, crude, tanks, Balto. lb .06 Nom.
refined, alkali, dms lb .1180- —
kettle-bodied, dms lb .1330- —
light-pressed, dms lb .1080- —
tanks lb .0920- —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard seed, expressed, dms lb .19½- .20
synthetic, cns., dms lb 1.40 - 1.70
Neatsfoot, 15°, dms lb .28 - .28½
20°, dms. lb .27 - .27½
30°, dms. lb .21 - .21½
Neroli, French, bots lb 75.00 -390.00
Haitian, bots lb 175.00 -200.00
Nizouli, cns lb 2.30 - 3.25
Nutmeg, dist., East Indian, cns., dms lb 3.45 - 3.85
West Indian, cns., dms lb 3.50 - 4.35
Ocotea cymbarum, dms lb .75 - 1.00
Oiticica, liquid, dms lb .24 - .25
Oleo, extra, tres lb .16 - —
Olibanum, bots lb 4.50 - 7.65
extra fine, bots lb 6.25 -10.50
Olive, commercial, dms gal 1.75 - 1.85
edible, dms., duty paid gal 2.30 - 2.50
foots, dms lb .13 - .13½
Orange, sweet, natural, dist., cns., lb .25 - .60
expressed, USP, Brazilian, cns lb .95 - 1.25
Calif., cns. lb .60 - 1.00
Florida, cns., dms lb .42 - 1.00
Messina, coppers lb 2.45 - 5.50
West Indian, cns lb 1.95 - 2.50
sesquiterpeneless, bots lb 55.00 -135.00
Origanum, Spanish, cs lb 2.40 - 3.50
Oil, palm, Congo, dms lb .1150- —
tankcars lb .1050- —
Palmarosa, cns lb 6.25 - 9.00
Palmkernel, crude, bulk, c.i.f. NY lb No prices.
Paraffin, pale, 100-110 vis. at 100° F, tanks, East Coast refinery gal .11½- —
Patchouli, dms. lb 19.50 -24.00
Peach kernel, USP (see Oil, apricot kernel).
Peanut, crude, tanks, Southeast lb .12½- —
refined, dms lb .16½- .17
tanks, New York lb .15 - —
Pennyroyal, USP, dom., cns lb No stocks.
imported, cns lb 4.60 - 5.50
Peppermint, natural, dms lb 5.75 - 6.40
redist., USP, dms lb 6.00 - 6.80
Persic, USP (see Oil, apricot kernel).
Perilla, crude, dms lb No stocks.
Petitgrain, Paraguay, cns lb 2.15 - 2.80
Pimento berry, dms lb 3.85 - 6.00
leaf, cns lb 1.55 - 1.95
Pine, dest.-dist., dms., incl., c.l., works, South gal .55 - —
l.c.l., works, South gal .56 - —
ex whse., N. Y. C gal .67 - —
tanks, works, South gal .45 - —
steam-dist., dms., ex whse., nonret. dms., incl., l.c.l., ex whse., N.Y.C lb .09½- —
Pineneedle, Siberian (See oil, abies siberica).
Putty, petroleum, heavy, dms gal .18 - —
tankwagon gal .13½- —
light, dms gal .16½- —
tankwagon gal .12½- —
Rapeseed, tankcars lb .15¾- —
Red, single dist., dms lb .12¼- .13¼
tanks lb .11 - —
saponified, dms lb .11½- .12½
double dist., dms lb .14¾- .15¾
tanks lb .13½- —
Rice bran, clarif., c.l., dms lb .13 - .13½
tanks lb .11 - —
Rose, natural, Bulgarian, coppers oz 25.00 -38.00
Rosemary, Spanish, tech., cns., dms lb .75 - 1.50
USP, cns., dms lb .95 - 1.60
Rosin, first rectified, dms gal .66 - —
2d rectified, dms gal .68 - —
3d rectified, dms gal .78 - —
Rue, bots. lb 2.75 - 5.00
Sage, clary, bots. lb 13.50 -16.00
Dalmatian, cns. lb 4.00 - 5.50
Spanish, cns. lb .85 - 3.50
Sandalwood, NF, cns lb 11.50 -16.30
Sardine, crude, tanks, Pac. coast. lb .06½- —
refined, alkali, dms lb .1180- —
kettle-bodied, dms. lb .1330- —
light-pressed, dms. lb .1080- —
tanks lb .0920- —
Sassafras, artificial lb .44 - .65
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP, cns., dms. lb 1.80 - 2.30
Savin, cns lb 2.50 - 2.75
Savory, cns lb 8.00 - —
Seal, 2% acid, duty extra, dms lb .13 - —
Sesame, ref., dms., l.c.l lb .41 - —
Shingle stain, bbls., c.l., works, gal .2185- —
l.c.l., works gal .25 - .29
tanks, works gal .15 - .16
Snakeroot, Canada, cns lb 18.75 -25.00
Snakeroot, Canada, cns lb 18.75 -25.00
Soybean, crude, tanks, mills lb .10¼- .10⅜
foots, acid, 95%, tanks, dlvd. E lb .04½- .04¾
raw, 50%, tanks, dlvd. E lb .01⅞- .02
refined, alkali, dms., c.l lb .13¾- —
l.c.l. lb .1385- .1435
tanks lb .12½- —
clarified, dms., c.l. lb .1220- —
l.c.l. lb .1285- .1335
tanks lb .11½- —
edible, dms lb .14¼- .14¾
tanks lb .13 - —
Spearmint, dms. lb 3.10 - 4.10
Sperm, bleached, winter, 45°, drums lb .1620- .1670
tankcars lb .1520- —
natural winter 45°, dms lb .15 - .15½
tankcars lb .14 - —
Spruce, cns., dms lb 1.65 - 2.75
Sunflower-seed, unp., refined, tanks lb No prices.
semi-refined, tanks lb No prices.
Sweet birch, Northern, cns lb 4.50 - 7.50
Southern, cns. lb 1.95 - 3.65
Tall, crude, tanks, works ton 40.00 - —
refined, dms., c.l., works lb .06 - —
l.c.l., works lb .06¼- —
tanks, works lb .05 - —
Tallow, acidless, dms lb .11¾- .12
Tansy, dms. lb 8.75 - 9.00
Tar, pine, coml., dms., incl., c.l., works, South lb .045 - —
l.c.l., works, South lb .0473- —
whse., N.Y.C. lb .0595- —
tanks, works, South lb .035 - —
rectified, NF, l.c.l., dms., incl., works, South gal .60 - —
Tar acid (see Th.
Teaseed, dms. lb No stocks.
Theobroma (see Cocoa butter).
Thyme, NF, red, cns lb 2.05 - 3.35
white, cns lb 2.30 - 3.80
technical, white, cns lb .35 - 1.00
Tung, dom., tanks, mills lb .26 Nom.
imported, dms., c.l. lb .28 - —
l.c.l. lb .28½- —
tanks lb .26½- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, NF, cns., dms lb .35 - .55
Vetiver, Bourbon, cns lb 12.60 -15.00
Haitian, cns. lb 10.00 -14.50
Java, cns. lb 12.00 -16.00
Whale, ref., natural, dms lb No stocks.
Winter-bleached, dms lb No stocks.
Wheat germ, dms gal 10.00 -13.50
White mineral, tech., 50-65 vis., dms., c.l., N. Y. gal .43 - —
l.c.l., same basis gal .48 - —
65-75 vis., dms., same basis, gal .44 - —
l.c.l., same basis gal .49 - —
USP, 80-90 vis., dms., c.l., same basis gal .45 - —
l.c.l., same basis gal .50 - —
125-135 vis., dms., c.l., same basis gal .53 - —
l.c.l., same basis gal .58 - —
145-155 vis., dms., c.l., same basis gal .60 - —
l.c.l., same basis gal .65 - —
175-185 vis., dms., c.l., same basis gal .62 - —
l.c.l., same basis gal .67 - —
200-210 vis., dms., c.l., same basis gal .65 - —
l.c.l., same basis gal .70 - —
335-345 vis., dms., c.l., same basis gal .69½- —
l.c.l., same basis gal .74½- —
Wintergreen, nat., Northern, cns lb 7.00 -14.50
Southern, cns lb 3.65 - 8.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung)
Wormseed, NF, cns lb 3.60 - 4.25
Wormwood, cns lb 6.25 - 7.50
Ylang-ylang, Bourbon, bots lb 7.00 - 8.25
extra, bots lb 10.00 -11.00
Madagascar, bots lb 6.25 - 6.75
Olein, crude (see Oil, red).
white, low titre, dms lb .14¾- .15¾
tankcars lb .13½- —
Oleostearin, bbls lb .09¾- .10
Olivine, aggregate, c.l., mines ton 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works. ton 10.00 - —
paper, bgs., c.l., works ton 12.00 - —
Opium, USP, cns. lb 19.20 -19.45
gran., USP, cns. lb 21.65 -21.90
powd., USP, cns. lb 21.65 -21.90
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies lb 1.10 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul lb .30½- —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Orange, chrome dinitroanilin toner lb 1.15 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld. lb .1810- —
Molybdate lb .43 - —
Persian, bbls. lb .30 - .45
Orange flowers, bls lb .40 - .45
Orange peel, bitter, Haitian, bls lb .13 - .15
Sweet, bls lb .13 - .17
Oregano, Mexican, bgs lb .11 - .11½
Portuguese, bgs lb .18 - .18½
Sicilian, bgs lb .18 - .19
Orris root, Florentine, bls lb .20 - .25
powdered, bbls., bxs lb .26 - .29
Verona, bls lb .16 - .21
powdered, bbls., bxs lb .22 - .23
Orthoaminobiphenyl, dms., c.l., works lb .32½- —
l.c.l., same basis lb .33 - —
tanks, same basis lb .31 - —
Orthoamylphenol, dms., l.c.l., works. lb .42 - —
Orthoanisidin, bbls lb .80 - —
Orthochloroanilin, dms., 10,000 lbs. or more lb .60 - —
smaller lots lb .70 - —
Orthochloroparanitroanilin, dms., works lb .65½- .70
Orthochlorophenol, dms., c.l., frt. equald lb .27 - —
l.c.l., same basis lb .28 - —
Orthocresol, pure, 30° C, non-ret., dms., c.l., frt. equald. lb .1930- .2405
l.c.l., same basis lb .1960- .2435
ret. dms., c.l., same basis lb .1900- —
l.c.l., same basis lb .1930- —
29° C. non-ret. dms., c.l., same basis lb .1830- .2305
l.c.l., same basis lb .1860- .2335
ret. dms., c.l., same basis lb .1800- —
l.c.l., same basis lb .1830- —
Orthocresol, pure, 25 to 27° C, non-ret. dms., c.l., same basis lb .1630 - .2060
l.c.l., same basis lb .1660- .2110
tanks, same basis lb .1500- .1950
Orthodichlorobenzene, 50-lb. cns lb .12½- —
100-lb. cns lb .11¼- —
dms., c.l., works, frt. alld. E. of Rockies lb .08½- —
l.c.l., same basis lb .09½- —
tanks, same basis lb .07 - —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.
Orthoisopropyl N-phenylcarbanate (see IPC).
Orthoisopropylphenol, dms., c.l lb .29 - —
l.c.l. lb .30 - —
tanks lb .28 - —
Orthonitroanilin, dms lb .50 - .53
Orthonitrochlorobenzene, dms. lb .17 - .18
Orthonitrobiphenyl, tech., dms., c.l., works lb .19½- —
l.c.l., works lb .20 - —
tanks, works lb .18 - —
Orthonitroparachlorophenol, cns lb .75 - —
Orthonitrophenol, dms lb .66 - .77
Orthonitrotoluene, dms. lb .12 - —
Orthophenetidin, dms., works lb .90 - —
Orthotoluidin, dms., c.l., works lb .19 - —
l.c.l., same basis lb .20 - —
tanks, same basis lb .18 - —
Orthotolidin, distilled, kgs lb 1.10 - —
Osage orange crystals, bbls., l.c.l lb .33½- —
extract, liquid, bbls., l.c.l lb .15½- —
Ouabaine, USP, nots gram 3.00 - 4.00
Ox gall, conc., gran., fib. dms., 5 lbs. and up lb 2.50 - —
Oxyquinolin sulphate, cns., 100 lbs. works lb 4.25 - —
smaller lots, works lb 4.30 - 5.00

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Pancreas substance, assay 1:75 lb 5.75 - 6.25
Pancreatin, USP lb 2.50 - 3.00
Panthenol, bots., works, frt. adjust. kilo 90.00 - —
Papain, powd., NF, cs lb 1.75 - 2.50
Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz. lots oz 5.00 - —
smaller lots oz 5.05 - 5.20
Sulphate, cns oz 7.10 - 7.35
Paprika, Chilean, bgs lb .27 - .30
Portuguese, bgs lb .39 - .40
Spanish, bgs lb .41 - .43
Para-anisidin, dms., works lb .80 - —
Parachlorophenol, dms., c.l., frt. equald lb .27 - —
l.c.l., same basis lb .28 - —
Parachloroanilin, dms., frt. alld. E. Miss lb .70 - —
Parachloro-orthonitroanilin, dms. lb No stocks.
Paracresol, 98%, dms., works lb .50 - .65
Paracymene, dms., works, 50 gals. or more gal 2.50 - —
smaller quantities gal 3.00 - —
Paradibromobenzene, bgs., 500-lb. lots.
Paradichlorobenzene, dms., c.l., works lb .11 - —
l.c.l., same basis lb .12½- .14
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery lb No prices.
121-123 ASTM, bbls., c.l., ref'y lb No prices.
126-128 ASTM, bbls., c.l., ref'y lb No prices.
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y lb .0635- —
122-124 ASTM, loose, c.l., ref'y. lb .0635- —
125-127 ASTM, loose, c.l., ref'y. lb .0635- —
128-130 ASTM, loose, c.l., ref'y. lb .0640- —
Paraffin, fully ref'd., 130-132 ASTM, loose, c.l., ref'y lb .0645- —
132-134 ASTM, loose, c.l., ref'y. lb .0660- —
135-137 ASTM, loose, c.l., ref'y lb .0705- —
Paraffin prices in bgs. and ctns., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher, and under 1,000 lbs., 3.7c. per lb. higher.
Paraformaldehyde, 94-95%, powd., dms., c.l., works lb .13 - —
10,000 lbs. to c.l., works lb .14 - —
1,000-10,000 lbs., works lb .15 - .18
1,000 lbs., works lb .17 - —
100 lbs., works lb .20 - —

Paraformaldehyde, 91-92%, flake, fib. dms., c.l., works ..lb. .11 - —
10,000 lbs. or more, works ..lb. .12 - —
smaller lots, works ..lb. .13 - —
Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works ..lb. .12¼ - .13¼
5-10-gal. dms., l.c.l., works ..lb. .16½ - —
tanks, works ..lb. .11 - —
USP, cbys ..lb. .51 - .53
Paranitroanilin, kgs., works ..lb. .44½ - —
Paranitrochlorobenzene, kgs., works ..lb. .18 - —
Paranitrophenol, kgs., works, frt. equald ..lb. .40 - —
Paranitrotoluene, kgs., works ..lb. .30 - —
Paraphenetidin, dms., works ..lb. .80 - —
Paraphenylphenol, bgs., works ..lb. .28 - .29
Paraphenylenediamine, crude, dms., works ..lb. .77 - —
redistilled, dms., works ..lb. 2.00 - —
technical, refined, dms., same basis ..lb. 1.25 - 1.35
Paratertiarybutylphenol, bgs., c.l., frt. equald ..lb. .21 - —
l.c.l., same basis ..lb. .22 - —
Parathion, tech., dms., works ..lb. 1.50 - 2.50
Paratoluenesulphonamide, bbls., works ..lb. .70 - —
Paratoluidin, bbls., works ..lb. .55 - —
Paretra brava root, whole, bgs ..lb. .30 - .31
ground, bxs ..lb. .35 - .37
powder, bxs ..lb. .38 - 40
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. E ..lb. .31 - —
l.c.l., same basis ..lb. .32 - .33
Passion flower herb, bls ..lb. .40 - 45
Patchouli leaves, bls ..lb. No stocks.
Peanut meal, 45%, sacked, mill ..ton. 65.00 - —
Pectin, citrous, NF, powd., bbls ..lb. 2.05 - 2.08
tech., powd., bbls ..lb. 1.42 - 1.43
Penicillin, amorphous, calcium, USP, bulk, 100,000,000 to 25,000,000,000 unit lots 100,000 units. .04 - .05¼
Sodium, USP, unlabeled vials, 100,000 units vl. .09½ - —
200,000 units ..vl. .14 - —
500,000 units ..vl. .29 - —
1,000,000 units ..vl. .56 - —
crystalline, potassium, unlabeled, vials, 100,000 units ..vl. .102 - —
200,000 units ..vl. .15½ - —
500,000 units ..vl. .34 - —
1,000,000 units ..vl. .67½ - —
bulk, 100,000,000 to 25,000,000,000 unit lots 100,000 units. .04½ - .05¾
regular or pulverized, bulk, 100,000,000 to 25,000,000,000 unit lots, 100,000 units. .05¼ - .06½
sodium, unlabeled vials, 100,000 units ..vl. .10¾ - —
200,000 units ..vl. .16 - —
500,000 units ..vl. .35 - —
1,000,000 units ..vl. .68½ - —
bulk, 100,000,000 to 25,000,000,000 unit lots 100,000 units. .05¼ - .06½
Pennyroyal leaves, bls ..lb. .28 - .30
Pentachlorophenol, dms., c.l., works, frt. equald ..lb. .20 - —
l.c.l., same basis ..lb. .23 - .28
truckload, 20,000 lbs., min., same basis ..lb. .20¼ - —
Pentaerythritol, tech., bgs., c.l., works ..lb. .29 - —
l.c.l., works ..lb. .31 - .33
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, group 3 ..gal. .10½ 11½
Pepper, black, bgs ..lb. 1.30 - 1.31
Jan. arrival, bgs ..lb. 1.24 - 1.25
Dec.-Jan. shipment, bgs ..lb. 1.23 - 1.24
Jan.-Mar. shipment, bgs ..lb. 1.21 - 1.22
Red, Carolina, source ..lb. .44 - .45
Hontaka, bgs ..lb. .65 - .66
Louisiana longs, bgs ..lb. .18 Nom.
Niger, capsicum, bgs., futures ..lb. .40 - .40½
birdseye, bgs. ..lb. .65 Nom.
White, bgs ..lb. 2.45 - 2.50
Peppermint, USP, dom., bls ..lb. .50 - .70
imported, bls ..lb. .80 - .90
Pepsin, NF, bulk containers ..lb. 3.90 - —
Perchloroethylene, dms., c.l., zone 1, works, frt. alld ..lb. .11 - —
zone 2, same basis ..lb. .11½ - —
zone 3, same basis ..lb. .12 - —
zone 4, same basis ..lb. .12 - —
l.c.l., zone 1, same basis ..lb. .11¾ - —
zone 2, same basis ..lb. .12¼ - —
zone 3, same basis ..lb. .12¾ - —
zone 4, same basis ..lb. .12¾ - —
tanks, zone 1, same basis ..lb. .10½ - —
zone 2, same basis ..lb. .11 - —
zone 3, same basis ..lb. .11½ - —
zone 4, same basis ..lb. .11½ - —

Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N D., Okla., S. C., S. D.; (3) Colo., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont., (W), Nev., Ore., Utah, Wash.

Peru balsam, dms ..lb. .90 - 1.05
Petrolatum, USP, amber, dms., c.l., New York ..lb. .04⅞ - —
l.c.l., same basis ..lb. .05¾ - —
Cream, dms., c.l., same basis ..lb. .06⅜ - —
l.c.l., same basis ..lb. .08 - —
Extra amber, dms., c.l., same basis ..lb. .05⅛ - —
l.c.l., same basis ..lb. .06 - —
white lily, dms., c.l., same basis ..lb. .06⅞ - —
l.c.l., same basis ..lb. .08¼ - —
snow, dms., c.l., same basis. ..lb. .07⅛ - —
l.c.l., same basis ..lb. .08½ - —
soft, dms., c.l., same basis ..lb. .06¾ - —
l.c.l., same basis ..lb. .07½ - —
yellow, soft, dms., c.l., same basis ..lb. .05 - —
l.c.l., same basis ..lb. .05⅞ - —
Petroleum, crude, bulk, at wells, California ..bbl. 1.10 - 2.99
Illinois ..bbl. 2.45 - 2.87
Kentucky ..bbl. 2.42 - 2.83
Louisiana-Arkansas ..bbl. 2.08 - 2.90
Montana ..bbl. 1.28 - 2.775
Oklahoma-Kansas ..bbl. 2.23 - 2.65
Pennsylvania, lower field ..bbl. 3.54 - —
Upper field ..bbl. 2.04 - 3.54
Texas, East ..bbl. 2.65 - —
Gulf coast ..bbl. 2.38 - 2.95
North, North-Central ..bbl. 2.23 - 2.65
Panhandle ..bbl. 2.23 - 2.65
West ..bbl. 2.10 - 2.65
Wyoming ..bbl. 1.28 - 2.875
Ether, laboratory, 30°-60° C, cns., dlvd. E ..gal. 1.50 - —
dms., c.l., group 3 ..gal. .26 - —
l.c.l., same basis ..gal. .44 - —
35°-60° C, 10-gal. cns., dlvd. E. ..gal. 1.50 - —
dms., c.l., Group 3 ..gal. .26 - —
l.c.l., same basis ..gal. .44 - —
40°-75° C, 10-gal. cns., dlvd. E. ..gal. 1.50 - —
dms., c.l., Group 3 ..gal. .26 - —
l.c.l., same basis ..gal. .44 - —
90°-160° C, ret. dms., ex tax, f.o.b. San Francisco ..gal. .57 - —

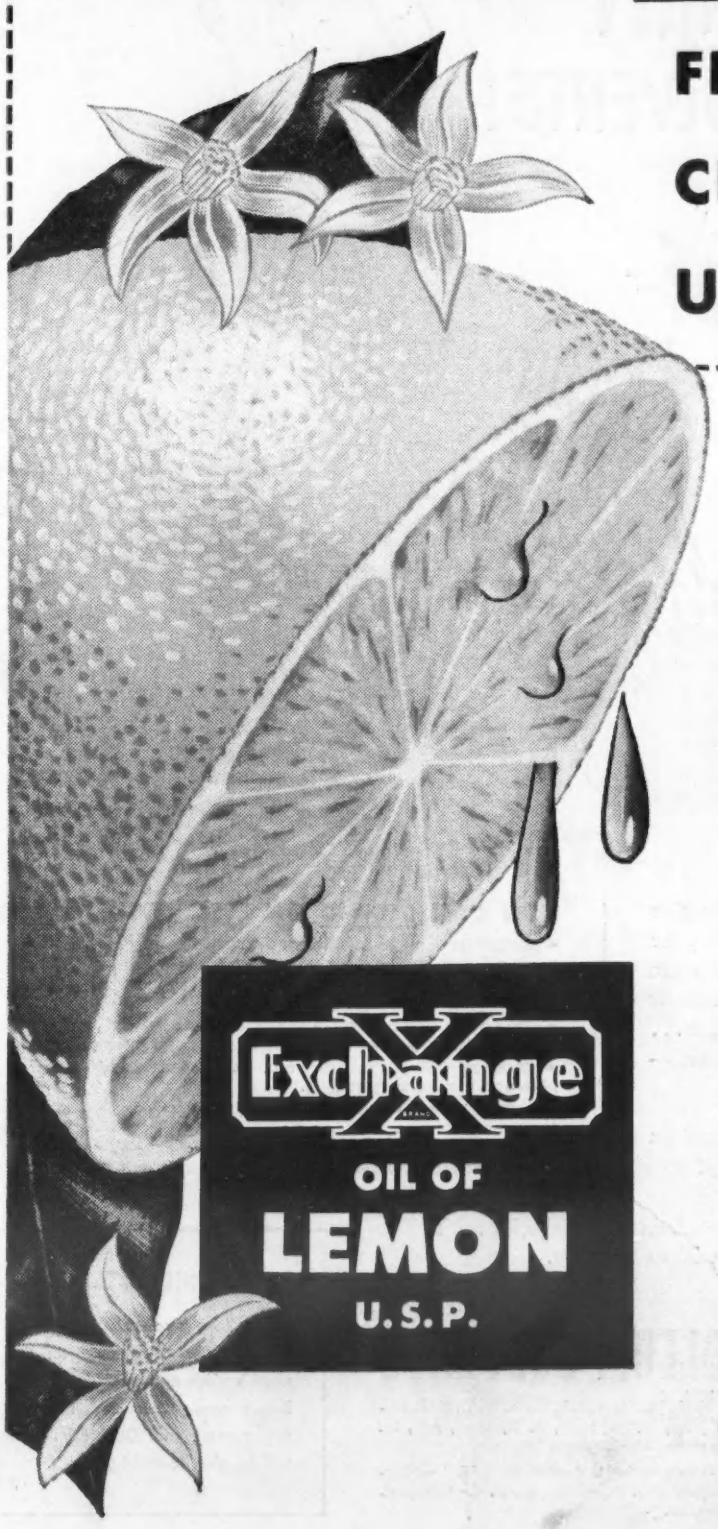
Petroleum, fuel oil, bunker C, No. 6, California, heavy, tanks, refinery ..bbl. 1.25 - 1.55
light, tanks, refinery ..bbl. 1.65 - 2.10
eastern, tanks, Albany, N. Y. ..bbl. 2.40 - —
Baltimore, Md. ..bbl. 2.08 - —
Boston, Mass. ..bbl. 2.10 - —
Charleston, S. C. ..bbl. 2.03 - —
Jacksonville, Fla. ..bbl. 2.02 - 2.03
New York, N. Y. ..bbl. 2.05 - 2.10
Norfolk, Va. ..bbl. 2.08 - —
Philadelphia, Pa. ..bbl. 2.08 - —
Portland, Me. ..bbl. 2.13 - —
Providence, R. I. ..bbl. 2.075 - —
Savannah, Ga. ..bbl. 2.03 - —
Diesel, tanks, refinery, California ..gal. .081 - .115
Pennsylvania ..gal. .0375 - .09
Furnace, tanks, refinery, Arkansas, No. 2 ..gal. .06875 - —
No. 3 ..gal. .06375 - —
Bayonne, N. J., No. 2 ..gal. .083 - —
Group 3 No. 1 ..gal. .075 - .07875
No. 1, straw ..gal. .075 - .08
No. 2, straw ..gal. .06625 - .085
range ..gal. .075 - .0875
Pennsylvania, No. 1 ..gal. .0925 - .095
No. 2 ..gal. .0875 - .095
No. 3 ..gal. .0875 - .09
Lacquer diluent, California, 170-225 F, b.r., tanks, ex tax, f.o.b. Los Angeles ..gal. .147 - —
255 F, b.r., tanks, ex-tax, Portland, Ore ..gal. .158 - —
San Francisco ..gal. .152 - —
Seattle, Wash ..gal. .158 - —
East coast, tanks, N. J. and N. Y. refinery ..gal. .16 - —
Group 3, benzol-type, tanks, refinery ..gal. .12125 - —
toluol-type, tanks, refinery, ..gal. .11125 - .11375

Petroleum, mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco ..gal. .152 - —
205-295 b.r., tanks, same basis ..gal. .152 - —
245-360 b.r., tanks, same basis ..gal. .153 - —
305-362 b.r., tanks, same basis ..gal. .142 - —
312-400 b.r., tanks, same basis ..gal. .142 - —
360-455 b.r., tanks, same basis ..gal. .152 - —
East coast, tanks, N. J., N. Y., refinery ..gal. .14 - —
group 3, tanks ..gal. .09875 - .10373
tank-wagon, Baltimore ..gal. .175 - —
Boston ..gal. .16 - —
Buffalo ..gal. .165 - —
Camden, N. J. ..gal. .15 - —
Chicago ..gal. .197 - —
Detroit ..gal. .214 - —
Kansas City, Mo. ..gal. .182 - —
Newark ..gal. .15 - —
New York ..gal. .15 - —
Philadelphia ..gal. .14 - —
Pittsburgh ..gal. .175 - —
Providence ..gal. .165 - —
Rochester ..gal. .18 - —
St. Louis ..gal. .19 - —
Syracuse ..gal. .19 - —
Washington, D. C ..gal. .173 - —
Naphtha, cleaners, East Coast, tanks, N. J., N. Y., refinery ..gal. .14 - —
Group 3, tanks ..gal. .10875 - —
tankwagon, St. Louis ..gal. .19 - —
Newark ..gal. .15 - —
Chicago ..gal. .197 - —
Detroit ..gal. .214 - —
New York ..gal. .15 - —
Philadelphia ..gal. .14 - —

Petroleum naphtha, high-flash, 140° F, group 3, refinery, tanks ..gal. .13 - .145
200-285 b.r., 37-38° C., mixed anilin pt., tanks, refinery or terminal ..gal. .20 - .21
25-28° C., m.a.p., tanks, same basis ..gal. .19½ - .24
270-370 b.r., 78-81° C., m.a.p., tanks, same basis ..gal. .23½ - —
49° C., m.a.p., tanks, same basis ..gal. .26½ - —
26-27° C., m.a.p., tanks, same basis ..gal. .19½ - .24½
300-400 b.r., 28-32° C., m.a.p., tanks, same basis ..gal. .19½ - 36½
340-410 b.r., 27° C., m.a.p., tanks, same basis ..gal. .30½ - —
32° C., m.a.p., tanks, same basis ..gal. .19½ - —
36° C, m.a.p., tanks, same basis ..gal. .19½ - —
340-440 b.r., 32° C., m.a.p., tanks, same basis ..gal. .25½ - .27
360-480 b.r., 25° C., m.a.p., tanks, same basis ..gal. .19½ - —
V.M.&P., ref'y, California, 245-360 b.r., tanks, ex tax, f.o.b. Los Angeles ..gal. .147 - —
Portland, Ore ..gal. .158 - —
San Francisco ..gal. .152 - —
Seattle, Wash ..gal. .158 - —
East coast, N. J., N. Y., tanks, gal. .15 - —
Group 3, tanks ..gal. .10875 - .11375
tankwagon, Boston ..gal. .175 - —
Chicago ..gal. .207 - —
Detroit ..gal. .224 - —
Milwaukee ..gal. .209 - —
Minneapolis ..gal. .207 - —

8 out of 10 say it's *best* for

FLAVOR
CLARITY
UNIFORMITY



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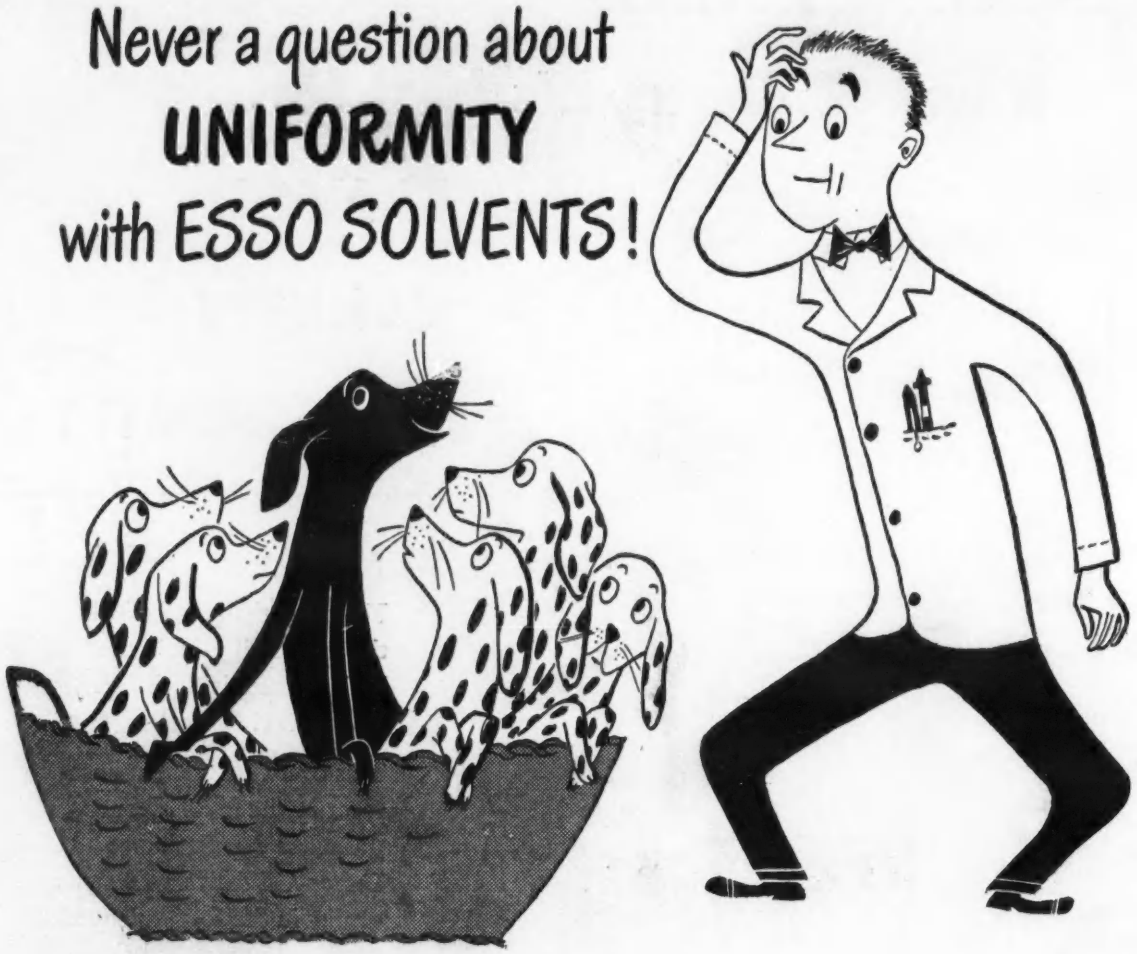
Products Department, Ontario, Calif.

Producing Plant:
Exchange Lemon Products Co., Corona, Calif.

Petroleum Naphtha, V.M.&P. Tankwagon—Potassium Phosphate

Petroleum naphtha, VM&P, tankwagon, Newark gal. .165 - —
New York gal. .165 - —
Philadelphia gal. .165 - —
Pittsburgh gal. .185 - —
St. Louis gal. .20 - —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. 1.52 - —
East coast, N. J., N. Y., gal. .15 - —
Group 3 tanks gal. .10375- .11375
Stoddard, California, tankwagon, ex-tax, Los Angeles gal. .157 - .195
East coast, N. J., N. Y., tanks gal. .14 - —
Group 3, tanks gal. .10375- .10875
Pennsylvania, western, tanks gal. .10 - —
Tankwagon, Boston, gal. .16 - —
Chicago gal. .197 - —
Detroit gal. .214 - —
Milwaukee gal. .199 - —
Minneapolis gal. .197 - —
Newark gal. .15 - —
New York gal. .15 - —
Philadelphia gal. .14 - —
Pittsburgh gal. .175 - —
St. Louis gal. .19 - —
Syracuse gal. .19 - —
Sulphonate, 70% sulphonic content, ret. dms., c.l., works lb. .1715- —
t.c.l., works lb. .1750- —
tanks, works lb. .1525- —
80% sulphonic content, ret. dms., c.l., works lb. .1365- —
t.c.l., works lb. .1400- —
tanks, works lb. .1175- —
Phenobarbital, USP, dms., 100 lbs. lb. 4.00 - 4.25
Phenobarbital-sodium, USP, dms lb. 4.00 - 4.10
Phenol 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies, lb. .1275- —
t.c.l., same basis lb. .1350- —
tanks, same basis lb. .1100- —
82-84% (cresol, 16-18%), dms., c.l., same basis lb. .1275- —
t.c.l., same basis lb. .1350- —
tanks, same basis lb. .1100- —
USP, dms., c.l., same basis lb. .13½- .14¼
t.c.l., same basis lb. .1425- .1500
tanks, same basis lb. .1250- —
Phenolphthalein, USP or yellow, bbls., dms., 2,000 lbs. lb. 1.00 - —
smaller lots lb. 1.02 - 1.07
Phenothiazin, NF, fib. dms., 10,000 lbs., works lb. .44 - —
smaller lots, works lb. .46 - —
Phenylacetaldehyde solution, 50%, bots lb. 2.35 2.65
100%, bots lb. 4.00 4.75
Phenylacetamide, dms., works, lb. lots lb. 1.25 - —
smaller lots lb. 1.30 - 1.60
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works lb. 30.00 - 37.50
Phenyldiethanoamine, dms., cl., works lb. .35½- —
t.c.l., works lb. .36½- —
Phenylethanolamine, dms., c.l., works lb. .67½- —
t.c.l., same basis lb. .68½- —
Phenylethyl acetate, dms lb. 1.45 - 2.70
Phenylethylphenyl acetate, bots lb. 3.75 - 6.00
Phenylhydrazin base, CP, bots lb. 3.00 - 3.07
Hydrochloride, CP, bots., works, lb. 5.00 - 5.07
commercial, kgs., works lb. 1.75 - —
Phenylmethylpyrazolone, dms., works lb. 1.58 - 1.60
Phlororglucinol, CP, fib. dms., works lb. 13.75 -15.75
commercial fib. dms., works lb. 4.50 - 7.00
tech., fib., dms., works lb. 10.00 -10.75
Phosgene, 150-lb. cyls., works lb. .20½- —
10-lb. cyls., works lb. 1.50 - —
Phosphate, defluorinated (see under D)
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-66% b.p.l., bulk, c.l., car at mine long ton. 3.755 - —
70%-68%, b.p.l., c.l., same basis long ton. 4.155 - —
72%-70%, b.p.l., c.l., same basis long ton. 4.805 - —
75%-74%, b.p.l., c.l., same basis long ton. 5.805 - —
77%-78%, b.p.l., c.l., same basis long ton. 6.905 - —
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum short ton. 4.93 - —
68% b.p.l., basis 31% P_2O_5 minimum short ton. 5.28 - —
70% b.p.l., basis 32% P_2O_5 minimum short ton. 5.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5 long ton. 6.45 - —
30-29% P_2O_5 long ton. 7.21 - —
Phosphorus, red, amorpnous, cs. lb. .33 - .36
tins, export lb. .34 - .37
Yellow, cns. lb. .30 - .37
dms., c.l. lb. .26 - —
Oxychloride, dms., works lb. .12 - .15
Pentasulphide, dms., c.l., works lb. .11 - —
t.c.l., dms., works lb. .12 - .13
Pentoxide, dms., c.l., works lb. .12 - —
t.c.l., works lb. .13 - .14
Sesquisulphide, tins, cs., works lb. .28 - .29
dms., export lb. .33½- .36
Trichloride, dms., c.l., works lb. .12 - .15
t.c.l., works lb. .13 - .16
Phthalic anhydride, bgs., bbls., c.l., works, frt. equald lb. .21½- —
t.c.l., same basis lb. .22½- —
Phthalimide, bbls., works lb. 1.10 - 1.37
Pichi leaves, bgs lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, USP, bots oz. 8.00 - —
Pilocarpine hydrochloride, NF, bots., vials oz. 6.50 - 7.50
Nitrate, USP, bots, vials oz. 6.25 - 7.25
Pimento, Jamaica, bgs lb. .22½- .23
Pinetar, retort, dms., incl., c.l., works, South lb. .043 - —
t.c.l., same basis lb. .0473- —
whse., N.Y.C. lb. .0595- —
tanks, works, South lb. .035 - —
Pinkroot, bls lb. 1.60 - 1.70
Piperidine, 95%, wms., frt. equald. lb. 1.65 - —
98%, dms., same basis lb. 1.75 - —
Piperazine hexahydrate, bots lb. 8.50 - 9.00
Pipissewa herb (see Prince's pine).
Pitch, coaltar, 150°F. m.p., bbls., c.l., works ton. 34.00 - —
t.c.l., works ton. 36.00 -37.00
Cottonseed, dms., works lb. .08 - .08¼
Hardwood, paper bgs., c.l., works. lb. .02 - —
Linseed, dms. lb. .08 Nom.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse. East 100 lbs. 4.97 - —
Soybean, dms., works lb. .06½ Nom.
Plaster of paris (see Gypsum).
Platinum metal, works oz. 69.00 -72.00
Pokeroot, bls lb. .13 - .14
Pleurisy root, bls lb. .25 - .26
Podophyllin, NF, dms lb. 12.45 - —
Polystyrene, plain colors, dms., 29,920 lbs., frt. alld lb. .32 - —
20,020 lbs. to 20,920 lbs., same basis lb. .32 - —
smaller lots, same basis lb. .34 - —
special colors, dms., 29,920 lbs., same basis lb. .32 - —
20,020 lbs. to 20,920 lbs., same basis lb. .35 - —
smaller lots, same basis lb. .37 - .50
water-clear, dms., 29,920 lbs., same basis lb. .26 - —
20,020 lbs. to 20,920 lbs., same basis lb. .27 - —
smaller lots, same basis lb. .28 - —
Polystyrene in bgs. ½c. per lb. lower.
Pomegranate root bark, bgs lb. .68 - .70
Poppy flowers, bls lb. .50 - .55
Seed, Dutch, bls lb. .18½- .19
Polish, bgs lb. .16 - .16¼
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs. 9.75 - —
t.c.l., works 100 lbs. 10.50 - —
liquid, 45%, dms., c.l., works, 100 lbs. 4.525 - —
t.c.l., works 100 lbs. 5.025 - —
tanks, works 100 lbs. 4.20 - —
solid, 90%, dms., c.l., works, 100 lbs. 9.15 - —
t.c.l., works 100 lbs. 9.90 - —
regular, flake, 88-92%, dms., c.l., works lb. .0815- —
t.c.l., works lb. .089 - —
liquid, 45% basis, dms., c.l., works lb. .03725- —
t.c.l., same basis lb. .0450- —
tanks, same basis lb. .0340- —
solid, 88-92%, dms., c.l., works, lb. .0755- —
t.c.l. works, lb. .0830- —
Potassium abietate lb. .08 - —
Acetate, USP, dms lb. .31 - .36
Bicarbonate, USP, gran., dms. lb. .20 - .22
powd., dms lb. .22 - .24
Bichromate, bgs., works lb. .13¼- .14¼
Potassium bichromate in drums, ½c. higher.
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works ton. 192.00 - —
ton lots, works ton. 245.50 - —
less ton lots, works ton. 250.50 - —
Bromate, bbls., 1,000 lbs. or more. lb. .48 - —
25-200 lbs lb. .50 - —
Bromide, USP, cryst., gran., bbls., kgs lb. .33 - .34
Carbonate, tech., calcined, bbls., c.l., works lb. .0780- —
t.c.l., same basis lb. .0855- —
hydrated, 83-85%, bbls., c.l., works lb. .06¼- —
dms., t.c.l., works lb. .07 - —
USP, gran., bbls., dms lb. .16½- .18
powd., bbls., dms lb. .21 - .23
Chromate, tech., bgs lb. .25 - .29
Chlorate, cryst., kgs., c.l., works, lb. .08½- —
t.c.l., works lb. .09¼- —
powd., dms., kgs., c.l., works lb. .09 - —
t.c.l., works lb. .09¾- —
export, kgs., 1 to 10 tons, ex whse lb. .12 - —
NF, gran., dms lb. .31 - .33
Chloride, USP, cryst., dms lb. 26 - .27
gran., bbls lb. .20 - .22
powd., bbls lb. .29 - .32
Citrate, USP, gran., dms lb. .37½- .38¼
powder, dms. lb. .40½- .41½
Cyanide, dms., works lb. .52½- .55
Fluoride, dms., works lb. .24 - —
Glutonate, dms. lb. .75 - .79
Glycerophosphate, 75% solution, cbys. lb. 2.05 - 2.20
Guiacol sulphonate, NF, dms lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic).
USP, pellets, jars lb. .33 - —
Hypochlorite, liquid, cbys., dms., works 100 lbs. 3.50 - —
Hypophospnite, NF, 50-lb. lots, fib. dms lb. .90 - .93
Iodide, dms lb. 1.95 - 1.98
Manure salt, 22% K_2O, bulk, mines unit-ton. .20 - —
25% K_2O, bulk, mines unit-ton .21 - —
Metabisulphite, gran., bbls lb. .21 - —
powd., bbls lb. .25 - —
Muriate, dom., 60% K_2O, bulk, Carlsbad, N. M. unit-ton 37½- —
Trona, Cal unit-ton 45½- —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls lb. .30 - .32
purified, dms. lb .42 - .44
Perchlorate, kgs., c.l., works lb 13½- —
dms., t.c.l., works lb 14 - 15
Permanganate, tech., dms., works. lb 21¾ .22¾
USP, dms., works lb. 23½- .24
ex whse lb 29 —
Persulphate, dms., c.l., works lb. .17 - —
t.c.l. works lb .21 —
Phosphate, tetrabasic, bbls., works. lb .13 .13½

Never a question about
UNIFORMITY
with ESSO SOLVENTS!



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- **UNIFORMITY** — made in modern refineries from carefully selected crude oil sources.
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- **SOLVENCY** — Esso aliphatics and Solvesso aromatics cover both high and low solvency ranges.
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- **MULTI-STORAGE AVAILABILITY** — Water terminals in industrial centers.

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Esso PETROLEUM SOLVENTS

SOLD IN Me., N. H., Vt., Mass., R. I., Conn., N. Y., N. J., Pa., Del., Md., D. C., Va., W. Va., N. C., S. C., Tenn., Ark., La.

ESSO STANDARD OIL COMPANY—Boston, Mass.—New York, N. Y.—Elizabeth, N. J.—Philadelphia, Pa.—Baltimore, Md.—Richmond, Va.—Charleston, West Va.—Charlotte, N. C.—Columbia, S. C.—Memphis, Tenn.—Little Rock, Ark.—New Orleans, La.

Potassium prussiate, red, kgs.	lb.	.60	.63
yellow, bbls.	lb.	.21	—
kegs	lb.	.26	—
Ricinoleate, tech., bbls.	lb.	.18	—
Silicate, glass, bgs., c.l., works	ton.	200.00	—
l.c.l.	100 lbs.	15.25	—
solution, 29° Be, ret. dms., c.l., works	100 lbs.	4.25	—
l.c.l., 5 or more, works	100 lbs.	5.00	—
1-4, works	100 lbs.	5.50	—
62° Be, net, dms., c.l., works	100 lbs.	4.75	—
l.c.l., 5 or more, works	100 lbs.	5.50	—
1-4, works	100 lbs.	6.00	—
40.5° Be, ret. dms., c.l., works	100 lbs.	5.75	—
l.c.l., 5 or more, works	100 lbs.	6.50	—
1-4, works	100 lbs.	7.00	—
Silicofluoride, bbls., works	lb.	.07	.08
Sulphate, agricultural, dom., bulk, basis 90-95% K_2SO_4, min. 90%, works	ton.	32.50	—
indust, bulk, works	ton.	36.00	—
NF, cryst., bbls.	lb.	.31	.33
gran., dms.	lb.	.18½	—
powder, dms.	lb.	.17	—
Sulphocyanide, cryst., NF (see Potassium thiocyanate)			
Thiocyanate, cryst., NF, dms., tech., works	lb.	.70	.73
Titanate, ctns., c.l., works	lb.	.45	.50
5 tons, works	lb.	.12	—
1 ton or less, works	lb.	.12¼	—
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MGO, works	ton.	14.50	.13
Potassium-sodium ferricyanide, kgs., works	lb.	.50	—
Potassium-sodium tartrate (see Rochelle salt).			.53
Potassium-titanium fluoride, fib. dms., works	lb.	.45	.55
Potassium-titanium oxalate, bbls., kgs	lb.	.65	.70
Potassium-zirconium fluoride, fib. dms., c.l., works	lb.	.50	—
t.c.l., works	lb.	.52½	.53
Prickly ash bark, bls.	lb.	.23	.25
Berries, bgs	lb.	.55	.75
Prince's pine herb, bls.	lb.	.50	.55
Procaine hydrochloride, USP, dms., contract, 1,000-lb. lots	lb.	3.75	4.50
1,000-lb. lots	lb.	4.50	—
smaller lots	lb.	4.00	5.00
Progesterone, USP, 100 gms.	gm.	1.75	—
Propane, commercial grade, tanks, group 3	gal.	.02½	—
Propionaldehyde, dms., c.l., works	lb.	.28½	—
l.c.l., works	lb.	.29½	—
tanks, works	lb.	.25	—
Propyl aldehyde (see Propionaldehyde)			
Parahydroxybenzoate, USP, dms	lb.	2.30	2.40
Propylene dichloride, dms., c.l.	lb.	.08½	—
l.c.l.	lb.	.09½	—
smaller containers	lb.	.12½	—
tanks	lb.	.07	—
Oxide, dms., c.l., frt. alld. E	lb.	.18½	—
l.c.l., frt. alld. E	lb.	.19½	—
tanks, frt. equald. E	lb.	.16½	—
Propyleneglycol, NF, dms., c.l., frt. alld. E	lb.	.17½	—
l.c.l., same basis	lb.	.18½	—
tanks, same basis	lb.	.16	—
tech., dms., c.l., frt. alld. E	lb.	.16½	—
l.c.l., same basis	lb.	.17½	—
tanks, same basis	lb.	.15	—
Methylether, dms., c.l., frt. equald.	lb.	.18	—
l.c.l., same basis	lb.	.18½	—
tanks, same basis	lb.	.16½	—
Propylthiouracil, bots., 50 kilos or more, works	kilo.	55.00	—
smaller lots, works	lb.	55.10	55.30
Psyllium seed, black, bgs.	lb.	.22	.25
blonde, bgs.	lb.	.19	.21
husks, bgs.	lb.	.45	.55
Pulsatilla herb, bls.	lb.	.45	.50
Pumice, dom., grd., course, 0½, 1, 1½, 2, 3, bgs., ton lots.	lb.	.03¾	.04
Chicago, bgs., ton lots	lb.	.04½	—
smaller lots	lb.	.03⅞	.04¼
fine, bgs., ton lots	lb.	.03⅜	—
smaller lots	lb.	.03⅝	.04
Italian, silk screen, fine, bgs., ton lots	lb.	.04	—
coarse, bgs., ton	lb.	.05½	—
sun dried, fine, bgs., ton lots	lb.	.03	—
coarse, ogs., ton lots	lb.	.04½	—
Pumice in bbls is ½c. per lb. higher.			
Pumpkin seed, bgs.	lb.	.18	.36
Purple lake (see Red)			
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works	lb.	10.75	11.00
liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works	gal.	9.00	9.50
regular base, dms., works	gal.	8.90	9.40
(30 to 1) base, 3 grams pyrethrins, per 100cc., odorless base, bbls., works	gal.	13.30	—
regular base, dms., works.	gal.	13.20	—
Flowers, fine-grd., 0.9% pyrethrins, bbls., works	lb.	.42	.44
powder, 1.3% pyrethrins, bbls., works	lb.	.53	.56
Pyridin, denaturing, dms., works and frt. equald., c.l.	gal.	2.00	2.69
l.c.l.	gal.	2.00	2.72
refd., 2°, non-ret. dms., c.l., same basis	lb.	.74½	.79½
l.c.l., same basis	lb.	.75	.80
Pyridoxine hydrochloride, 100-gram lots	gram.	.55	—
Pyrites, Spanish, c.i.f. Atl ports.	long-ton	8.00	—
Pyrocatchin (see Catechol).			
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines	ton.	11.00	11.50
230 mesh bulk, c.l., mines	ton.	12.00	—
325 mesh, bulk, c.l., mines	ton.	15.00	—
No. 3, 200 mesh bulk, c.l., mines.	ton.	9.50	—
insecticide grade, 200 mesh, bgs., c.l., mines	ton.	12.00	12.50
rubber grade, 140 mesh, bgs., c.l., mines	ton.	10.00	10.50
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.			
Pyroxylin scrap, opaque, amber, cs., works	lb.	.17	—
black, cs., works	lb.	.14	—
gray, cs., works	lb.	.14	—
mixed, mottled, cs., works	lb.	.12	—
white, china, ivory, cs., works,	lb.	.17	—
dense, cs., works	lb.	.17	—
translucent, pastels, cs., works.	lb.	.17	—
transparent, colorless, cs., works.	lb.	.19	—
colors, cs., works	lb.	.17	—
shavings, opaque, amber, cs., works	lb.	.15	—
mixed, colors, cs., works	lb.	.14	—
white, cs., works	lb.	.17	—
USP, bots., dlvd.	lb.	9.54	—

Q

Quassia chips, bls.	lb.	.08	.09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l.,	lb.	.14¾	.15
liq., 35% tannin, bbls., works	lb.	.08	.08½
tanks, same basis	lb.	.07½	—
solid, 64% tannin, bgs., c.l., duty extra	lb.	.09	—
powd., 70% tannin, ngs., c.l.	lb.	.15½	—
ordinary, solid, 63% tannin, bgs., c.l., ex dock, duty extra	lb.	.08 5/16	

Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.

Queen of the meadow root, bgs.	lb.	.14	.15
Quercitron crystals, bbls., l.c.l.	lb.	.33½	—
Extract, liquid, bbls., l.c.l.	lb.	.14½	—
solid, bxs.	lb.	.28	—
Quicksilver, flasks (76 lbs.) net, 100 flask lots	flask.	71.00	—
smaller lots	lb.	73.00	75.00
Quince seed, bgs.	lb.	.90	1.50
Quinidine, NF V, cryst., cns.	oz.	1.90	—
powd., precip., cns.	oz.	1.85	—
Sulphate, USP, cns.	oz.	1.25	—
Quinine, NF, cns., 100 ozs.	oz.	.70	—
Bisulphate, USP, cns., 100 ozs.	oz.	.51	—
Dihydrochloride, USP	oz.	.70	—
Ethylcarbonate, NF, cns., 100 ozs.	oz.	.75	—
Hydrobromide, NF, cns., 50-oz. cns.	oz.	.63	—
Hydrochloride, USP, cns., 100 ozs.	lb.	.63	—
Phosphate, NF, cns., 100 ozs.	oz.	.76	—
Salicylate, NF, ctns., 100 ozs.	oz.	.66	—
Sulphate, USP, cns., 100 ozs.	oz.	.56½	—
Quinine-urea hydrochloride, NF, cns.	lb.	.68	—
Quinolin, dms., c.l., works	lb.	.50¾	.84½
l.c.l., works	lb.	.51¼	.55
tanks, works	lb.	.50	.51

R

R salt, paste, dry basis, dms.	lb.	.70	.75
Raspberries, dried, bbls.	lb.	1.90	2.00
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	1.45	2.25

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium, CP, dark shade, bbls., frt. alld., E. of Rockies	lb.	3.65	—
light shade, bbls., same basis.	lb.	3.50	—
medium shade, bbls., same basis	lb.	3.60	—
medium-light shade, bbls., same basis	lb.	3.53	—
orange shade, bbls., same basis	lb.	3.15	—
orange-red shade, bbls., same basis	lb.	3.35	—
lithopone, deep shade, bbls., same basis	lb.	1.33	—
light shade, bbls., same basis.	lb.	1.20	—
Red, cadmium, lithopone, maroon shade, bbls., same basis	lb.	1.45	1.55
medium shade, bbls., same basis	lb.	1.30	—
medium-light shade, bbls., same basis	lb.	1.25	—
orange-red shade, bbls., same basis	lb.	1.15	—

Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.

Carmine, No. 40 (see Carmine).			
Crocus martis (see Red, maroon iron oxide).			
Dyes (see Dyes, coaltar).			
Eosin toner, bbls., works	lb.	1.40	—
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y.	lb.	.11¼	11¾
Iron oxide, synth., bgs.	lb.	.11½	.11¾
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis	lb.	.05¼	.09¼
special, high color, all shades	lb.	1.00	—
Lake C toner alizarin, bbls., works.	lb.	1.05	—
Lithol toner, bbls., works	lb.	.80	—
Lithol-rubin toner, alizarin, lake, bbls., works	lb.	1.40	—
Maroon, alizarin lake, 25%, kgs., works	lb.	.40	.43
toner, bbls., works	lb.	1.35	1.50
Cadmium, deep, bbls., works	lb.	1.20	—
regular, bbls., works	lb.	1.10	—
Iron oxide, bgs., l.c.l., works	lb.	.04	—
MNPT toner, kgs., works	lb.	3.25	—

Maroons in smaller pkgs., 5c. per lb higher.

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Red, Mercury Oxide—Sodium Bisulphite

Red mercury oxide, tech., bbls., 10,000 lbs., works	lb.	2.00	—
smaller lots, works	lb.	2.03	—
Metallic, bbls., works	lb.	.02½-	.02¾
Oxide (see iron oxide).			
Persian gulf, bgs., works	lb.	.66¾	.67
Para toner, bbls	lb.	.85	.88
chlorinated, kgs	lb.	.95	1.05
concentrated alizarin lake, kgs., works	lb.	.80	—
Phloxin toner (see eosin toner).			
Phosphotungstic, rhodamine Y, kgs., works	lb.	4.45	—
Pink lake, alizarin, bbls., works	lb.	.20	.25
Purple lake, kgs	lb.	1.35	—
Rose lake, alizarin, bbls., works	lb.	.25	.28
Spanish oxide, grade 1, bbls., c.l., ex dock	lb.	.05½-	.05¾
l.c.l., ex dock	lb	.05¾-	.06
ex whse., New York	lb.	.06½-	—
grade 2, bbls., c.l., ex dock	lb.	.05¼-	.05½
l.c.l., ex dock	lb.	.05½-	.05¾
ex whse., New York	lb.	.06¼-	—
Toluidin toner (MNPT), kgs., works	lb.	1.35	—
Turkey, bbls., works	lb.	.14½-	—
Tuscan, bbls., frt. equald	lb.	.24½-	.25
Venetian, 15%, bgs., works	lb.	.0350-	—
20%, bgs., works	lb.	.0360-	—
25%, bgs., works	lb.	.0410-	—
30%, bgs., works	lb.	.0440-	—
35%, bgs., works	lb.	.0465-	—
40%, bgs., works	lb.	.0490-	—
Vermilion, Amer., bbls	lb.	.32	—
Quicksilver, ctns	lb.	2.27	—
Red Precipitate, NF, powd., fib. dms	lb.	2.17	2.19
Red saunders wood, powd., bbls	lb.	.50	—
Rennin, NF	lb.	6.50	—
Resorcinol, industrial, dms., c.l., works	lb.	.62	—
l.c.l., works	lb.	.63	—
tech., dms., c.l., works	lb.	.74	—
l.c.l., works	lb.	.75	—
USP, cryst., dms., works	lb.	2.50	—
powd., dms., works	lb.	2.70	—
Monoacetate, NF, dms	lb	3.25	3.45
Rhatany root, bgs	lb.	.12	14
Rhubarb root, whole, cs	lb.	1.20	Nom.
powd., bbls.	lb.	1.40	Nom.
Riboflavin, USP, bots	Kilo.	125 00	—
Readily soluble, bots	kilo.	125.00	—
Rice bran concentrate, dms., Cedartown, Ga	lb.	.70	—
Rochelle salt, USP, gran., powd., bbls., 5,000 lbs	lb.	.27½-	—
smaller lots		.28	.33
Rose flowers, pale, bls	lb.	.20	.24
Rosemary flowers, bls	lb.	1.55	1.65
Leaves, French, bls	lb.	.12	.17
Portuguese, bls.	lb.	.07	.07½
Spanish, bls.	lb.	.07½-	.08
Rosin gum (see Naval Stores, Protective Coatings market).			
Wood, B, dms., c.l., works	100 lbs.	4.25	—
FF, dms., c.l., works	100 lbs.	5.50	—
G, H, I, dms., c.l., works	100 lbs.	6.46	—
K, dms., c.l., works	100 lbs.	6.46	—
M, dms., c.l., works	100 lbs.	6.46	—
N, dms., c.l., works	100 lbs.	6.46	—
WG, dms., c.l., works	100 lbs.	6.66	—
WW, dms., c.l., works	100 lbs.	6.96	—
X, dms., c.l., works	100 lbs.	7.06	—
Rotenone, CP, bbls., works	lb.	20.00	—
tech., works	lb.	16.50	—
Rottenstone, bgs., c.l., mines	ton.	36.00	—
l.c.l., mines	ton.	43.00	—
Rue herb, bls	lb.	.35	.40
Rutin, 10 kilos, fib. dms	gram.	.05½-	.06
5 kilos, fib. dms	gram.	.05½-	.06
smaller lots, fib. dms	gram.	.06	.08

S

Sabadilla seed, powd., bbls	lb.	.45	.50
activated ground with lime, bbls	lb.	.26	.27
Saccharin, USP, gran., soluble, 1,000 lbs	lb.	1.50	—
smaller lots	lb.	1.60	1.70
powd., soluble insoluble, dms., 1,000-lb. lots	lb.	1.55	—
smaller lots	lb.	1.65	1.85
Safflower, Egyptian, bls	lb.	.80	.85
Saffron, Mexican, bls	lb.	.95	1.00
Spanish, USP, tins	lb.	17.00	18.00
Safrol, dms	lb.	.68	.75
Sage, Cyprus, bales, futures	lb.	.12	.13
Dalmatian, bls.	lb.	.74	.75
Greek, fancy, bls	lb.	.25	.26
Spanish, bls	lb.	.10	.10½
Sago flour, bgs	lb.	.05¼-	.05½
Saligenin, ctns., works	lb.	14.00	25.00
Salol, NF, gran., bbls., kgs	lb.	1.00	—
fib. dms	lb.	1.02	1.03
powdered salol 10c. higher			
Salt, rock, burlap bgs., c.l.	100 lbs.	.98	—
l.c.l.	100 lbs.	1.19	1.22
paper bgs., c.l	100 lbs.	.88	—
l.c.l.	100 lbs.	1.09	1.12
Table, vacuum, common, fine, bgs., c.l., works	100 lbs.	.98	1.08
l.c.l., divd.	100 lbs.	1.20	1.32
Saltcake, dom., bulk, divd. 100% Na_2SO_4 basis	ton.	22.00	—
Saltpeter, cryst., bbls., 10 tons.	100 lbs.	13.90	—
smaller lots	100 lbs.	14.15	14.40
gran., bbls., 20 tons	100 lbs.	9.25	—
smaller lots	100 lbs.	10.50	11.00
powd., bbls., 20 tons	100 lbs.	10.25	—
smaller lots	100 lbs.	11.50	12.00
NF, gran., dms	lb.	.15¾-	.17¾
Saltpeter in bags, 25c. per 100 lbs. less than in barrels; in kegs, $1 more.			
Sandalwood chips, East Indies, bgs.,	lb.	.65	.66
powd., dms.	lb.	.75	.76
Sanguinarine nitrate, bots	oz.	4.75	5.50
Santonin, NF, cryst., powd., cns.	kilo.	No stocks.	
Saponin No. 1, cns	lb.	2.45	—
Sarsaparilla root, dom., bls	lb.	.30	.40
Honduras, bls.	lb.	.40	.45
Mexican, bls	lb.	.24	.30
Sassafras bark, ord., bls	lb.	.35	.40
select, bls	lb.	.50	.55
Savory, French, bls	lb.	.14	.15
Spanish, bls	lb.	.12	.12½
Saw palmetto berries, bgs.	lb.	.23	.24
Scammony resin, lump, cns	lb.	2.10	2.25
powd., cns	lb.	2.20	2.30
Root, bgs	lb.	.11	.14
Schaeffer's salt, bgs.	lb	.60	.67
Scopolamine hydrobromide, bots	oz.	20.50	24.50
Hydrochloride, bots	oz	84.00	—
Seidlitz mixture, bbls., 5,000 lbs	lb.	.25¾-	—
smaller lots	lb.	.26¼-	—
dms., 100 lbs. or less	lb.	.27¼-	.31¼
Selenium, powd., cns., 10-lb. lots	lb.	2.10	—
cs., 1,000-lb lots	lb.	2.00	—
Senega root, bls.	lb.	1.60	1.65
Senna leaf, Alex., half-leaf, bls	lb.	.22	.24
sifting, bgs	lb.	.19	.21
Tinnevelly, No. 1, bls	lb.	.17	.24
No. 2, bls	lb.	.14	.19
No. 3, bls	lb.	.10	.11
Pods, bls	lb.	.12	.15
powdered, bls., bxs.	lb.	.16	.22
Serpentaria root, bls	lb.	2.20	2.30
Sesame seed, Chinese, white, nat., bgs	lb.	.11½-	.12
hulled, bgs	lb.	.20	.21
Nicaragua, hulled	lb.	.22	.25
Salvadorean	lb.	.13	.13¼
Turkish, yellow	lb.	.14¼-	.15
Shellac, bleached, bonedry, bgs., 1,500-lb. lots	lb.	.58½-	—
bbls., 1,500-lb. lots	lb.	.59	—
kgs., 1,500-lb. lots	lb.	.61	—
refined, bgs., 1,500-lb. lots	lb.	.68½-	—
bbls., 1,500-lb. lots	lb.	.69	—
kgs., 1,500-lb. lots	lb.	.71	—
bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.			
Lemon, No. 1, bgs	lb.	.53	.54
No. 2, bgs	lb.	.50	.51
Superfine, bgs., 10 bgs	lb.	.47	—
TN, bgs., 10 bgs	lb.	.45	—
Shellac in 1 to 9 bgs., 1c. more.			
Silica amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works	ton.	20.00	30.00
l.c.l., works	ton.	25.00	40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works	ton.	20.00	—
l.c.l., works	ton.	25.00	—
99½%, 140 mesh, bgs., c.l., works	ton.	12.00	—
l.c.l., works	ton.	17.00	—
Tetrachloride, tech., dms., c.l., works	lb.	.14½-	—
l.c.l., works	lb.	.18½-	.20¼
Silver bullion, ingots, cs	oz.	.73¾-	—
Cyanide, fib. dms., 2,2500-oz. lots	oz.	.66¾-	—
1,000-oz. lots	oz.	.67	—
500-oz. lots	oz.	.67¼-	—
100-oz. lots	oz.	.67½-	—
Nitrate, CP, cryst., bots., 2,500-oz. lots	oz.	.46¾-	—
1,000-oz. lots	oz.	.48	—
500-oz. lots	oz.	.48¾-	—
250-oz. lots	oz.	.49	—
USP granular silver nitrate, 2c. per oz. higher.			
Proteinate, mild, USP, bots., dms., 1,000-oz. lots	oz.	.85	—
strong, NF, bots., dms., 1,000-oz. lots	oz.	.90	—
Simaruba bark, bls.	lb.	.85	Nom.
Skullcap herb, Eastern, bls	lb.	.60	.65
Western, bls	lb.	.30	.35
Skunk cabbage root, bls	lb.	.30	.35
Slate flour, bgs., c.l., works	ton.	11.00	12.00
l.c.l., ex whse	ton.	20.00	60.00
Sloe berries, bgs	lb.	.33	.35
Smalt, black, ctns	lb.	.11	—
Blue, ctns	lb.	.12	—
Snakeroot, Canada, bls	lb.	.40	.45
Soapbark, bls.	lb.	.20	.23
crushed, bls., bbls	lb.	.22	.26
cut, foreign, bbls	lb.	.23	.26
powd., bbls.	lb.	.27	.29
Soda ash, dense, 58%, paper bgs., c.l., works	100 lbs.	1.35	—
l.c.l., stock points	100 lbs.	2.75	4.52
bbls., c.l., works	100 lbs.	2.00	—
l.c.l., stock points	100 lbs.	3.25	5.02
bulk, c.l., works	100 lbs.	1.10	—
light, 58%, paper bgs., c.l., works	100 lbs.	1.25	—
l.c.l., stock points	100 lbs.	2.65	4.42
bbls., c.l., works	100 lbs.	1.90	—
l.c.l., stock points	100 lbs.	3.15	4.92
bulk, c.l., works	100 lbs.	1.00	—
Caustic, flake, powd., 76% dms., c.l., works	100 lbs.	3.45	—
l.c.l., stock points	100 lbs.	4.80	6.67
liquid, 50%, sellers' tanks, works, dry basis	100 lbs.	2.40	—
rayon-type, tanks, works, dry basis	100 lbs.	2.40	2.50
70%, sellers' tanks, works, dry basis	100 lbs.	2.50	—
rayon-type, tanks, works, dry basis	100 lbs.	2.60	—
solid, 76%, dms., c.l., works	100 lbs.	3.05	—
l.c.l., stock points	100 lbs.	4.40	6.27
Sal, bgs., c.l., ex car	100 lbs.	1.55	—
l.c.l., bgs., ex whse	100 lbs.	1.75	—
Soda-lime, USP, dms	lb.	.23	.25
Sodium acetate, anhyd., dms., works	lb.	.10	.11½
NF, cryst., bbls., works	lb.	.16	—
Sodium alginate, refined, water soluble, bbls., works	lb.	.79	—
semi-refined, bbls., works	lb.	.46	—
NF, white, powd., dms., works, ton lots	lb.	1.25	—
smaller lots	lb.	1.30	1.65
Aluminate, 20,000 lbs., or more, bgs	100 lbs.	8.50	—
under 20,000 lbs., works	100 lbs.	9.50	—
Antimoniate, bbls., c.l., divd. E	lb.	.31	—
l.c.l., divd	lb.	.32	—
Arsenate, dealers, dms., c.l., works.	lb.	.12	—
Arsenite, dealers, dms., works	lb.	.13¼-	.14¼
solution, dms., works	gal.	.70	1.00
l.c.l., works	lb.	.11¾-	.11⅞
Benzoate, tech., bbls., dms., 100 lbs. or more	lb.	.39	—
USP, bbls., dms., 100 lbs. or more	lb.	.46	—
Bicarbonate, USP, gran., bgs., c.l., works	100 lbs.	2.35	—
l.c.l., works	100 lbs.	3.00	—
powd., bgs., c.l., works	100 lbs.	1.95	—
l.c.l. works	100 lbs.	2.60	—
Bichromate, bgs., works	lb.	.09¾-	.10¾
Sodium bichromate, in drums, ¾c. higher.			
Bifluoride, bbls., c.l., works, frt. equald	lb.	.13¼-	—
l.c.l., same basis	lb.	.13½-	—
Bisulphate, bulk, c.l., works	100 lbs.	1.75	—
dms., c.l., works	100 lbs.	2.40	—
l.c.l., works	100 lbs.	2.90	—
Bisulphite, powd., bags, c.l., works	100 lbs.	3.75	—
l.c.l., works	100 lbs.	4.00	—
solut. 35°, bbls., c.l., works	100 lbs.	1.10	—
l.c.l., works	100 lbs	1.50	—

Cancer's danger signals

1. Any sore that does not heal
2. A lump or thickening in the breast or elsewhere
3. Unusual bleeding or discharge
4. Any change in a wart or mole
5. Persistent indigestion or difficulty in swallowing
6. Persistent hoarseness or cough
7. Any change in normal bowel habits

can be your safety signals

Cancer is curable if discovered early and treated properly

If any of these symptoms appear, see your doctor *at once.*

Write for the booklet about cancer. Just address your request to "CANCER".

AMERICAN CANCER SOCIETY, INC.

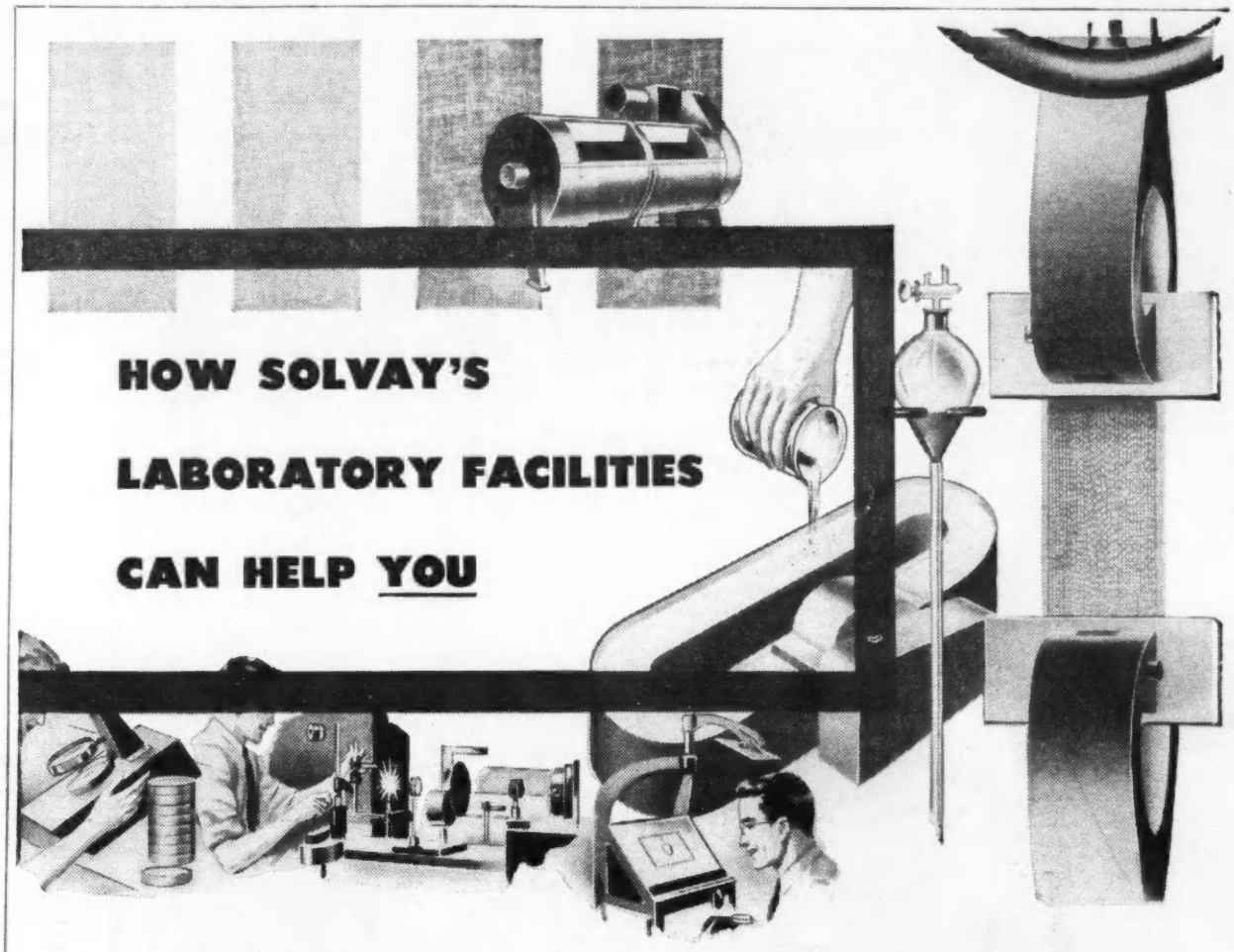
Sodium borate (see Borax).
Bromide, USP, bbls., kgs., works lb. .33 - .34
Cacodylate, NF, bots., dms. lb. 7.00 - 8.00
Carbonate (see Soda ash, Soda sal, Sodium monohydrate).
USP monohydrate, gran., dms. lb. .05¾ - .06¼
Chlorate, cryst., dms., c.l., works. lb. .07½ - —
t.c.l., works lb .07¾ - .08¼
powd., kgs., works lb .09 - —
Chloride, tech. (see Salt).
USP, dms lb. .21 - —
Chlorite, tech., dms., works lb .45 - —
Chloroacetate, tech., dms., c.l., works lb. .20 - —
t.c.l., dms., works lb. .21 - .22
Chromate, dms., works lb. .11½ - .12½
Citrate, USP VIII, bbls lb. .21½ - —
dms. lb. .22½ - .26½
USP XIII, gran., bbls lb. .28 - —
dms. lb. .29 - .33
Sodium citrate, USP XIII, powd. prices ½c. higher
Cyanate, dms., ton lots, works lb. .75 - —
smaller lots, works lb. .85 - —
Cyanide, 96-98%, dms. lb. .16 - .18
Diacetate, 33-35% acidity, bbls., works lb. .11½ - .12¼
anhydrous, dms., works lb. .14 - .15½
Fluoride, white, 90%, bbls., c.l., works lb. .10½ - —
t.c.l., works lb. .10¾ - —
95%, bbls., c.l., works lb. .10¾ - —
t.c.l., works lb. .11 - —
Fluoroacetate, monobasic, 8-oz. tins, 50 to a case, works. lb. 12.00 - —
2 to 25 tins to case, works lb. 12.00 - 16.50
1 oz. tins, 16 to 64 to case, works lb. 16.50 - 21.00
tribasic, tons lb. 11.00 - —
Formate, bgs., c.l., dlvd. 100 lbs. 7.10 - —
t.c.l. 100 lbs. 8.15 - —
Gluconate, dms. lb. .83 - .85
Glutamate, monobasic, kgs. lb. 1.55 - 1.56
Glycerophosphate, NF, flake, bbls. lb. 1.65 - 1.80
powder, bbls. lb. 1.70 - 1.85
solution, 75%, cbys. lb. .96 - 1.06
Hydrosulphide (see Sodium, sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .21 - —
t.c.l., frt. alld lb. .21½ - .22
Hydroxide, tech. (see Soda, caustic).
USP, pellets, dms lb. .25 - —
Hypophosphite, NF, 50-lb. lots, dms lb. .85 - .88
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald 100 lbs. 3.50 - —
t.c.l., same basis 100 lbs. 3.90 - —
pea cryst., bgs., metro area 100 lbs. 3.75 - —
Soda, hyposulphite, crystals in bbls., 40c higher; pea crystals, dms., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, dms., jars lb. 2.47 - 2.66
Lactate, edible, 50%, dms., c.l., works lb. .18 - —
t.c.l., dms., works lb. .18¾ - —
tech., 50%, dms., c.l., works lb. .12½ - .15
t.c.l., dms., works lb .13 - .15¼
Metaborate, octa-hydrate, gran., bgs., c.l., works ton. 73.00 - —
t.c.l., works ton. 118 00 - 123.00
tetrahydrate, c.l., bbls., works. ton. 184.50 - —
Sodium metaborate in bbls., $20 per ton higher.
Metal, dms., works lb. .18½ - —
Metanilate, bgs. lb. .57 - —
Metasilicate, anhyd., bbls., c.l., works 100 lbs. 4.25 - —
gran., bgs., c.l., works 100 lbs. 3.25 - —
t.c.l. 100 lbs. 4.35 - 4.60
bbls., c.l., works 100 lbs. 3.65 - —
t.c.l. 100 lbs. 4.75 - 5.00
Molybdate, anhyd., works lb .51½ - .63
Monohydrate, bgs., c.l., works 100 lbs. 2.00 - —
t.c.l., works 100 lbs. 2.45 - —
Naphthionate, bbls lb. .60 - .65
Nitrate, crude, dom., bgs., c.l., works. ton. 48.50 - —
bulk, c.l., works lb 45.00 - —
imp., 100-lb. bgs., c.l., Atl Gulf, Pac. whse. ton. 51.50 - —
bulk, c.l., same basis ton. 48.00 - —
USP, dms lb. .21 - —
Nitrite, 90%, bbls., c.l., works, frt. equald lb. .06¾ - —
West coast ports 100 lbs. 8.00 - 8.05
t.c.l., dlvd 100 lbs. 8.90 - 11.00
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.25 - —
t.c.l., same basis 100 lbs. 5.55 - 7.10
hydrated, flake, bbls., c.l., works. 100 lbs. 4.25 - —
t.c.l., works 100 lbs. 5.50 - 5.75
Oxalate, neut., bgs., works lb. .09½ - —
Para-aminosalicylate, dms., 1,000 lbs. or more, works lb. 8.00 - —
smaller lots, works lb. 8.05 - 9.00
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald. lb. .21½ - —
t.c.l., same basis lb. .22½ - .24½
pellets, bgs., c.l., same basis lb. .21 - —
t.c.l., same basis lb. .22 - .24
powd., bgs., c.l., same basis lb. .20 - —
t.c.l., same basis lb. .21 - .23
Truckloads of pentachlorophenate of 20,000 lbs. min. available at ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works lb. .18¾ - —
t.c.l., works lb. .19¼ - —
Peroxide, dms., c.l., dlvd. E. of Miss. lb. .18 - —
t.c.l., same basis lb. .18½ - .19
Phenolsulphonate, USP IX, gran., dms. lb. .38 - .39
powd., dms. lb. .41 - .42
Phosphate, dibasic, anhydr, bgs., c.l., works 100 lbs. 6.75 - 7.00
t.c.l., works 100 lbs. 7.25 - 7.50
cryst., bgs., c.l. works 100 lbs. 3.35 - 3.60
t.c.l., works 100 lbs. 3.75 - 4.00
USP, dried, powd., dms., works lb. .20 - .20½
monobasic, anhyd., bgs., c.l., works 100 lbs. 10.00 - —
t.c.l., works 100 lbs. 12.85 - —
tribasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. No stocks
t.c.l., same basis 100 lbs. No stocks.
cryst., bgs., c.l., works, frt. equald 100 lbs. 3.75 - —
t.c.l., same basis 100 lbs. 4.25 - —
Sodium phosphates in bbls., 40c. higher than bgs.
USP (see Sodium phosphate dibasic).
Prussiate, yellow, bgs lb. .12½ - —
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs. 10.00 - —
ferric, dms., 1,500 lbs., works. lb. .30 - —
smaller lots, works lb. .31 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 6.90 - —
t.c.l., frt. equald 100 lbs. 7.40 - —
Ricinoleate, tech., bbls. lb. No stocks
Salicylate, USP, dms lb. .57 - .60
Sodium sesquicarbonate, bgs., c.l., works 100 lbs. 1.95 - —
bbls., c.l., works 100 lbs. 2.45 - —
Sesquicarbonate, bgs., l.c.l., bgs., dlvd. zone 1 100 lbs. 3.70 - 4.10
zone 2 100 lbs. 3.96 - 4.36
zone 3 100 lbs. 4.25 - 4.65
zone 4 100 lbs. 4.96 - 5.35

Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex., E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb., W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Sesquisilicate, bbls., c.l., works 100 lbs. 4.15 - —
t.c.l. dlvd 100 lbs. 5.40 - 5.65
Silicate, 40°, turbid., dms., c.l., works 100 lbs. 1.00 - —
t.c.l., works 100 lbs. 1.25 - 1.35
tanks, works ton. 16.00 - 17.00
52°, turbid, dms., c.l., works 100 lbs. 1.80 - —
t.c.l., works 100 lbs. 2.05 - 2.15
tanks, works ton. 32.00 - —
Silicofluoride, bbls., c.l., works lb. .04 - —
t.c.l., works lb. .04½ - —
Stannate, dms., works, frt. alld. E. lb. .460 - .513
Stearate, tech., bbls., works lb. .40 - —
USP, anhyd., bbls., works lb. .51 - .56
Sulphanilate, bbls., works lb. .22 - —
Sodium sulphate, NF VII, dried, gran., dms lb. .20 - .23
tech., anhyd., bgs., c.l., works, 100 lbs. 2.10 - —
t.c.l., works 100 lbs. 2.35 - 2.60
cryst. (see Glauber's salt).
USP, cryst., bbls lb. .17 - .19
gran., bbls. lb. .15½ - .17½
Sulphide, flake, bbls., c.l., works, frt. equald 100 lbs. 4.50 - —
t.c.l., same basis 100 lbs. 5.00 - 5.25
fused, bbls., c.l., works, frt. equald 100 lbs. 4.00 - —
t.c.l., same basis 100 lbs. 4.50 - 4.75
Sulphite, anhyd., tech., powd., bbls., c.l., frt. equald 100 lbs. 2.50 - 2.75
t.c.l., same basis 100 lbs. 3.25 - 3.75
crystals, bgs., c.l., works 100 lbs. 3.60 - —
t.c.l., works 100 lbs. 4.00 - —
bbls., c.l., works 100 lbs. 4.00 - —
t.c.l., works 100 lbs. 4.40 - —
powd., bbls., c.l., works 100 lbs. 6.50 - —
t.c.l., works 100 lbs 7.00 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., c.l. lb. .05¾ - —
t.c.l., works lb. .06¼ - —
liquid, 45% basis 100%, tanks, works ton. 90.00 - —
Thiocyanate, CP, dms lb. .55 - .65
tech., dms., works lb. .30 - —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls lb. .10 - .12

Sodium Borate—Sorbitol

Sodium titanate, etns., c.l., works lb. .10 - —
5 tons, works lb. .10¼ - —
1 ton or less, works lb. .10½ - .13½
Tripolyphosphate, bgs., c.l., works, 100 lbs. 7.25 - —
t.c.l. 100 lbs. 7.65 - —
Tungstate, tech., kgs., works lb. 1.10 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose—See CMC
Sodium-Cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, dlvd., dms lb. .22 - .22¼
Sodium-sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works lb. .16½ - —
t.c.l., works lb. .17½ - .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less 1,000 lbs., same basis lb. .30 - —
Solvent naphtha, coal tar, tanks, works gal. .25 - .32½
high-flash, tanks, works gal. .25 - .32½
Petroleum, 100° F., flash, tanks, Baytown, Tex gal. .25 - —
150° F. flash, tanks, same basis gal. .25 - —
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton lots, works lb. .33 - —
solution, commercial, aqueous, dms., c.l., works lb. .23¼ - —
ton lots, works lb. .24¼ - —
less ton lots, works lb. .25 - —
regular, 70%, aqueous, dms., c.l., works lb. .16½ - —
ton lots, works lb. .17¼ - —
less ton lots, works lb. .18½ - —
tanks, works lb. 15¾ - —



HOW SOLVAY'S

LABORATORY FACILITIES

CAN HELP YOU

Manufacturer ... processor ... convertor—*everyone* needs help sometimes in overcoming a production problem involving alkalies and associated chemicals. And at such times, SOLVAY Laboratory Facilities may be able to help you find the solution.

SOLVAY Laboratory Facilities include special equipment for serving industries that consume SOLVAY products. This equipment is in almost constant use in connection with our studies of problems from industries such as glass, paper, textile, bottling, sanitation, cleaning and laundry. SOLVAY Laboratory Facilities are intended to supplement the work of your own laboratory ... and to offer you additional facilities which your technical department may not have.

Should you run into some difficulty in the utilization of our products—don't hesitate to ask SOLVAY TECHNICAL SERVICE for help. If it involves alkalies or associated products, we are ready to serve you! Write us about your problems in strict confidence—there's no cost or obligation.

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SOLVAY Technical Service
Specialists in Specific Industries

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BRANCH SALES OFFICES:
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Detroit • Houston • New Orleans • New York
Philadelphia • Pittsburgh • St. Louis • Syracuse

Soybean Meal—Wax, Microcrystalline

Soybean meal, 41% bulk, Decatur, ton 56.00 -57.00
protein, chemically isolated, 40,-
000 lbs., works lb. .19 - —
20,000 lbs., works lb. .19¼- —
smaller lots, works lb. .19½- .23
mechanically refined, bgs., 40,000
lbs., works lb. .0575- —
20,000 lbs., works lb. .0590- —
smaller lots, works lb. 0605- —
Sparteine sulphate, cns oz. 1.00 - 2.05
Spearmint leaves, bls lb. .52 - .55
Spikenard root, bls lb. .40 - .45
Spruce extract, liq., reg., tanks,
works lb. .01¾- —
powd., super, bgs., c.l., works,
lb. .05¼- —
Squaw vine, leaves, bls lb. .33 - .38
Squill, red, fortified, powd., bbls,
boxes lb. 1.50 - 1.60
White, bls lb. .11 - .13
powd., bbls., bxs lb. .16 - .18
St. Ignatius beans, bgs lb. No stocks.
St. John's bread, edible, bls lb. .17 - .18
Stainless steel flake, dry, dms.,
works lb. 1.50 - —
paste, dms., works lb. 1.25 - —
Stannous chloride (see Tin chloride, stannous).
Star root (see Helonias root).
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l.
100 lbs. 5.27 - —
Chicago 100 lbs. 4.62 - —
l.c.l. 100 lbs. 5.42 - —
powd., paper bgs., c.l. 100 lbs. 5.38 - —
Chicago 100 lbs. 4.73 - —
l.c.l. 100 lbs. 5.53 - —
Prices for corn starch in cotton bags, 17c. higher.
Potato, bgs., c.l., Idaho, works lb. .05¼- —
Maine, works lb. .05 - —
l.c.l., spot lb. .07¼- —
Rice, bgs lb. .12½- —
Sweetpotato, bgs., c.l. lb. No stocks.
Wheat, bgs lb. .0596- .0646
Stavesacre seed, bxs lb. .40 - .51
Stearin, oleo (see Oleostearin).
Stillingia root, bls. lb. .35 - .38
Stoneroot, bls lb. .07¼- .08
Storax, USP, cs lb. 1.50 - 1.60
Stramonium leaves, bgs lb. .19 - .20
Seed, bgs lb. .20 - .21
Streptomycin, hospitals, vials gram. .60 - —
wholesalers, vials gram. .48 - —
Strontium bromide, NF, cns., dms.,
lb. .62 - —
Carbonate, 90%, dms lb. .15½- .16½
Chloride, tech., bbls lb .22 - .24
Chromate, bbls., works lb. .50 - —
Iodide, jars, 25 lbs lb. 3.60 - —
Nitrate, bbls., c.l., works lb. .09¼- —
l.c.l., works lb. .10¼- —
Oxalate, bbls., works lb. .42 - .44
Salicylate, NF, dms lb. 1.25 1.32
Sulphate, air-floated, 90% 325
mesh, bgs., works ton 56.70 -66.15
Strontium-calcium sulphide, phos-
phorescent, dms., works lb. 2.50 2.85
Strophanthin, NF, bots oz. 39.00 —
Strophanthus seed, Kombe, bgs lb. 3.00 3.25
Strychnine, NF, powd., cns., 100 ozs.
oz. 1.25 - —
Phosphate, NF, 100 ozs oz. 1.14 - —
Sulphate, USP, powd., cns., 100
ozs oz. 1.00 - —
Styrene, monomer, tanks, works lb. .15 - —
Styrolyl acetate, bots lb. 2.50 - 3.10
Sucrose octa-acetate, cmat., bbls.,
l.c.l., works lb. .60 - —
tech., bbls., l.c.l., works lb. .55 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms., works lb. 4.25 - 4.60
Sulphabenzamide sodium, dms.,
works lb. 4.25 - 4.60
Sulphadiazin, USP, dms., works lb 10.25 -10.75
free flowing crystals, dms.,
works lb. 11.25 -11.75
micro crystals, 99.9%, not over
10 microns, dms., works,
lb. 10.40 -10.90
Sulphadiazin sodium, USP, dms.,
works lb. 11.25 -11.75
Sulphaguanidin, USP, dms., works,
lb. 4.50 - 4.60
Sulphamerazin, USP, dms., works lb. 10.25 -10.75
micro crystals, 99.9%, not over
10 microns, dms., works,
lb. 10.40 -10.90
Sulphamerazin, sodium, USP, dms.,
works lb. 11.25 -11.75
Sulphanilamide, USP, powd., bots.,
works lb. 1.30 - 1.50
Sulphanilamide, 30-60 mesh, 10c. higher.
Sulphanilamidoquinoxaline, veteri-
nary, dms lb. 12.00 -12.25
Sulphapyridin, NF, powd., bots., tins,
works lb. 7.00 - 7.50
Sulphapyridin-sodium, powd., bots.,
dms., works lb. 7.50 - 8.00
Sulphathiazole, USP, powd., dms.,
works lb. 3.50 - 3.80
free flowing crystals, dms.,
works lb. 4.00 - 4.50
micro crystals, 99.9%, not over
10 microns, dms., works,
lb. 3.65 - 3.95
Sulphathiazole-sodium, USP, dms.,
works lb. 3.50 - 3.80
Sulphur, com'l, rubbermakers, bgs.,
c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.10 - 2.45
crude, c.l., bulk, mines, contract,
long ton 18.00 - —
vessel, f.o.b. Gulf ports, export,
long ton 22.00 - —
flour, com'l, 90½%, bgs., c.l.,
works 100 lbs. 1.60 - —
l.c.l., works 100 lbs. 1.95 2.30
precipitated, USP, bbls., kgs lb .27 - .29
refined, flour, light refined, USP,
bgs., c.l., works 100 lbs. 3.00 - —
l.c.l., works 100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works 100 lbs. 2.80 - —
l.c.l., works 100 lbs. 3.15 - 3.50
flowers, USP, bgs, c.l., works
100 lbs. 3.85 - —
l.c.l., works 100 lbs. 4.20 - 4.60
Sulphur flowers in bbls., 75c. higher.
rock, bgs., c.l., works 100 lbs. 2.40 - —
l.c.l., works 100 lbs. 2.75 - 3.10
rolls, bgs., c.l., works 100 lbs. 2.70 - —
l.c.l., works 100 lbs. 3.05 - 3.70
rubbermakers' bgs., c.l., works,
100 lbs. 2.35 - —
l.c.l., bgs., works 100 lbs. 2.70 - 3.05
Chloride, 55-gal. dms., c.l., works,
lb. .03¼- —
l.c.l., works lb. .04¼- —
10-gal. dms., l.c.l., works lb. .08¼- —
Dioxide, liquid, com'l, cyls.,
works lb. .09 - —
multi-unit cars, works lb. .0535- —
tanks, works lb. .045 - —
refrigeration, cyls., l.c.l.,
dlvd lb. .18 - —
Sumac bark, 28%, grd., bgs., ex
dock ton. 65.00 -66.00
Extract, No. 1, bbls., 25% lb. .10¼- —
No. 2, bbls., 25% lb. .09 - —
crystals, bbls. lb. .40 - —
stainless, bbls. lb. .14½- —
Leaf, 26% grd., bgs., ex-dock,
ton. 67.00 -68.00

Superphosphate run-or-pile, under
22% a.p.a. pulv., bulk,
Baito unit-ton. .76 - .77
triple, 48% or more, a.p.a., pulv.,
bulk, Tampa, Fla unit-ton. .83 - —
Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bns lb. 1.50 1 70

T

Talc, dom., ordinary, grd., Calif.,
bgs., c.l., works ton. 25.00 -35.00
Vermont, bgs., c.l., works ton. 14.00 - —
l.c.l., works ton. 17.50 - —
fibrous, New York, off-color,
grd., bgs., c.l., works
ton. 24.00 - —
l.c.l. ton. 26.50 -28.00
96.5-99.5%, 325 mesh bgs.,
c.l., works ton. 23.00 -28.00
l.c.l., works ton. 25.00 -32.00
imp., Canada, grd., bgs., c.l.,
mines ton. 12.50 -35.00
Tallow, inedible, extra, loose, c.l.,
dlvd lb. .06 - —
fancy, loose, same basis lb. .06¼- —
special, loose, same basis lb. .05¾- —
sulphonated, 25%, dms lb. .06 - .06½
50%, dms lb. .08½- .09
Tamarind, W. I., bbls lb. .10 - .15
kegs keg. 10.00 - —
Tankage, animal, feeding, 9-11% am
mon, bulk unit-ton. 8.50 - —
Chicago unit-ton. 8.50 - —
fertilizer, 9% ammon., 10%
b.p.l., Chicago unit-ton No stocks.
10-11% ammon., 15% b.p.l.,
bulk unit-ton. No stocks.
Tansy leaves, bls lb. .24 - .30
Tapioca flour, high grade, bgs lb. .09 - .09¼
medium grades, bgs lb. .07¾- .08¼
low grades, bgs lb. .06¾- .07¼
Java, bgs lb. No stocks.
Tar acid oil, 15-18%, dms., c.l.,
frt. equald gal. .41 - —
l.c.l., same basis gal. .44 - —
tanks, same basis gal. .33 - —
25-28%, dms., c.l., works gal. .48 - —
l.c.l., same basis gal. .51 - —
tanks, same basis gal. .40 - —
50-53%, dms., c.l., same basis
gal. .60 - —
l.c.l., same basis gal. .63 - —
tanks, same basis gal. .52 - —
Tar coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex docks U. S.
ports long ton. No prices.
powd., bgs., c.l., same basis
long ton. 225.00 Nom.
Tarragon herb, bgs. lb. .45 .50
Leaves, bgs lb. .80 - .90
Tartar emetic, tech., gran., or
powd., bbls., kgs lb .46 - —
dms. lb. .47 - .51
USP, powd., bbls., dms., kg lb. .51 - .54
Terpin hydrate, com'l, bbls., c.l. lb. .24½- —
l.c.l. lb. .25 - .25½
NF, cryst., bbls., dms lb. .75 - —
powd., bbls., dms lb. .80 - —
Terpineol, Alpha (see A).
com'l, dms., c.l., South lb. .13½- —
l.c.l., South lb. .14 - —
tanks, South lb. .13 - —
prime, dms lb. .33 - .60
Terpinglycol ether, dms., c.l., works,
lb. .19½- —
l.c.l., works lb. .20 - —
tanks, works lb. .19 - —
Terpinyl acetate, extra, cns., dms.
lb. .60 - 1.03
prime, cns., dms lb. .55 - .95
Terra alba (see Gypsum).
Testosterone propionate, USP, 100
gms gm. 3.75 - —
Tetrachloroethane, dms., works lb. .08 .08½
Tetrachloroethylene, USP, 55-gal.
dms., works lb. .20½- .21½
smaller dms., works lb. .23½- .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate dms., works,
lb. .70 - —
Pyrophosphate, 40%, cns., dms.,
works lb. .65 .70
Tetraethylenepentamine, dms., c.l.,
works lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Tetrapotassium phosphate (see
Potassium phosphate).
Tetrasodium pyrophosphate (see
Sodium pyrophosphate).
Thallium sulphate, 99%, bots., dlvd.
lb. 13.00 -15.50
Theobromine, fib. dms lb. 4.50 - 4.55
Salicylate, fib. dms lb. 4.00 - 4.05
with sodium acetate, USP, dms.
lb. 3.65 - 3.70
Sodio-Salicylate, fib. dms lb. 2.90 - 2.95
Theophylline, USP, fib. dms lb. 6.00 - 6.15
Thiamine hydrochloride, USP, dms.,
100 grams kilo. 160.00 —
Thiocarbanilide, dms lb. .34 - .35
Thiodiphenylamine (see Phenothiazine)
Thiouracil, dms., works lb. 5.50 5.60
Thiourea, tech., dms., c.l., works lb. .42 - —
l.c.l., works lb. .44 - —
Thorium nitrate, cs., works lb. 3.50 - —
Threonine, dextro-laevo, 100 grams 115.00 - —
Thyme, French, bgs lb. .16 - .17
Spanish, bls. lb. .08½- .09
Thymol, USP, kgs lb. 3.65 - 3.75
Iodide, NF, dms lb. 6.80 - 6.90
Timbo root (see Cube root).
Tin chloride (stannous), anhyd.,
dms., works lb. .72 - .73
Crystals, hydrous, bgs., bbls.,
works lb. .59 - —
Metal, R.F.C lb. .77½- —
Straits lb. .77½- —
Oxide, bbls lb. .85 - .86
Sulphate, stannous, bbls., kgs.,
works lb. .837 - .857
Tetrachloride, anhyd., dms.,
works lb. .48 - .49
Titanium dioxide, anatase, ceramic,
bgs., c.l., dlvd lb. .19½- —
l.c.l., dlvd lb. .20 - .20½
chalk-resistant, bgs., c.l., dlvd.
lb. .19½- —
l.c.l., dlvd lb. .20 - .20½
plain, bgs., c.l., dlvd lb. .19½- —
l.c.l., dlvd lb. .20 - .20½
rutile, natural, granular, bgs.,
c.l., works lb. .05 - —
5-ton lots, works lb. .05¼- —
milled, bgs., c.l., works lb. .05¼- —
5-ton lots, works lb. .05½- —
nonchalking, bgs., c.l., dlvd. E.
lb. .21½- —
l.c.l., dlvd. E lb. .22 - .22½
Hydride, cns., works lb. 7.00 8.00
Pigment, calcium-rutile, base, bgs.,
c.l., dlvd lb. .07½- .07¾
l.c.l., dlvd lb. .08 - .08¼
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse. ½c. higher.
Tetrachloride, CP, 53-gal. dms lb. .54½- .55
smaller, pkgs., works lb. .65 - 1.23
technical, 5-gal. dms., works lb. .32 - —
smaller pkgs., works lb. .40 - 1.00
Tolu balsam, cns., dms lb. 2.25 - 2.75
Toluene (see Toluol).
Tolidin base (see Orthotolidin.)
Toluol, coaltar, industrial and nitra-
tion, tanks, works:—
Bethlehem, Pa gal. .23½- —
Birmingham dist. gal. .22¼- —
Chicago district gal. .24½- —
Cleveland district gal. .24¾- —
Dangerfield, Tex gal. .23½- —
Geneva, Utah gal. .19 - —
Hamilton, Ohio gal. .24 - —
Johntown, Pa gal. .22 - —
Lackawanna, N. Y. gal. .25 - —
Philadelphia, Pa gal. .25½- —
Pittsburgh district gal. .22 - —
Sparrow's Point, Md. gal. .23½- —
St. Louis, Mo gal. .25 - —
Syracuse, N. Y. gal. .22½- —
Terre Haute, Ind gal. .24½- —
Wyandotte, Mich. gal. .23 - —
Youngstown, Ohio gal. .22½- —
Petroleum, industrial, 2°, tanks, works:—
Albany, N. Y. gal. .28 - —
Bayonne, N. J. gal. .28 - —
Baytown, Tex. gal. .25 - —
Chicago, Ill. gal. .27 - —
Detroit, Mich. gal. .28 - —
Philadelphia, Pa. gal. .28 - —
Providence, R. I. gal. .28 - —
Sewall's Point, Va gal. .25½- —
Wood River, Ill gal. .25 - —
Tonga, 50% bark and vine, bls. lb. .80 - .95
Tonka beans, Angostura, cks lb. 1.75 - 1.80
Brazilian, cs lb. .85 - .90
Surinam, cs. lb. .85 - .95
Toxaphene, dms., works, c.l. lb. .20 - —
truckloads, works lb. .20 - —
ton to truckloads, works lb. .23 - —
less than tons, works lb. .26 - —
Totaquine, USP, 100-oz. lots oz. .42 - —
Triacetin, dms., dlvd lb. .35½- —
Tributyl citrate, dms. lb. .41 - .43
smaller containers lb. .46 - .52
Phosphate, dms., c.l., frt. alld lb. .56½- —
l.c.l. lb. .57½- —
smaller containers lb. .71 - —
Tributylamine, dms., c.l., works lb. .78 - —
l.c.l., works lb. .81 - —
Trichlorbenzene, dms., c.l., works,
frt. alld. or equald lb. .10 - —
l.c.l. lb. .11 - —
tanks lb. .08½- —
Trichloroethane, dms., c.l., works lb. .12 - —
l.c.l., works lb. .13 - —
tanks, works lb. .11 - —
Trichloroethylene, tanks, c.l., frt.
alld., zone 1 lb. .10½- —
Zone 2 lb. .11 - —
Zone 3 lb. .11½- —
Zone 4 lb. .11 - —
Trichloroethylene, dm., c.l., prices ½c. higher, l.c.l. 1¼c. higher, Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricholine citrate, 65% solut., ret.,
cbys., works, frt. equald lb. 2.35 - —
Thicholine citrate work's prices equaled with N. Y., Phila., St. Louis, and Los Angeles.
Tricresyl phosphate, coaltar, dms.,
c.l., dlvd lb. .30½- —
l.c.l., dlvd. lb. .31 - —
tanks, dlvd. lb. .29 - —
petroleum, dms., c.l., dlvd lb. .30½- —
l.c.l., dlvd. lb. .31 - —
tanks, dlvd. lb. .29 - —
Triethanolamine, dms., c.l., frt. alld.
E lb. .23 - —
l.c.l., same basis lb. .24 - —
tanks, same basis lb. .21½- —
Triethylamine, dms., c.l., works, frt.
alld lb. .31½- —
l.c.l., same basis lb. .32½- —
tanks, same basis lb. .30 - —
Triethyl citrate, dms lb. .34 - .36
smaller containers lb. .39 - .43
Phosphate, dms., works, c.l. lb. .38 - —
dms., l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l., frt.
alld. E lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks, same basis lb. .19 - —
Triethylenetetramine, dms., c.l.,
works lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Trimethylamine, 25%-40%, dms., c.l.,
works, basis 100% lb. .38 - —
l.c.l., works, basis 100% lb. .38½- —
tanks, works lb. .28 - —
Trimethylhexanol, dms., c.l., works.
lb. .29½- —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Tripentaerythritol, bgs., l.c.l., works.
lb. .36 - —
Triphenyl phosphate, bbls., c.l., frt.
equald lb. .31 - —
l.c.l., frt. equald lb. .32 - —
Triphenylguanidine bbls., works lb. .90 - —
Tripoli, air-floated, bgs., c.l., works.
lb. .0175- —
double-grd., bgs., c.l., works lb. .016 - —
single-grd., bgs., c.l., works lb. .015 - —
Trisodium fluoroacetate (see sodium
fluoroacetate tribasic).
Trisodium phosphate (see Sodium
phosphate, tribasic).
Trypsin, 1:25, dms., works lb. 2.30 - —
1:50, dms., works lb. 4.25 - —
1:75, dms., works lb. 5.50 - —
1:100, fib. dms., works lb. 5.50 - —
Tryptophane, dextro-laevo, fib. ctns.
works kilo. 207.00 -242.00
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms.
works lb. 4.75 - —
Oxide, kgs., works lb. 2.85 - —
Turmeric root, Alleppey, bgs lb. .38 - .38½
Haitian, bgs lb. No stocks.
Jamaica, bgs lb. .10½- .11
Madras, bgs. lb. .19 - .19½
Turpentine, gum (see Naval Stores
Protective Coatings market).
Sulphate, ret. dms., East gal. .23 - —
Wood dest. dist., dms., incl., c.l.,
works, South gal. .40 - —
l.c.l., same basis gal. .41 - —
N. Y. whse gal. .45 - —
tanks, works, South gal. .27½- —
steam-dist., dms., incl., c.l.,
works gal. .50 - —
l.c.l., works, South gal. .56 - —
ex whse., NYC gal. .64 - —
tanks, works gal. .34 - —
Tyrothricin, bots. gram 1.15 1.25

U

Urethane, USP, dms lb. 1.50 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs lb. 2.55 - —
yellow, kgs. lb. 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks.
lb 04¼- —
l.c.l., works lb 05 - —
fertilizer compound, 42% N,
bulk, c.l., 30 tons, frt.
alld. Kan., Neb., N. Dak.,
Okla., S. Dak., Tex
and east ton. 94.00 - —
Urea, fertilizer compound, 42% N,
bulk, distributors, c.l., 40 tons,
frt. alld. Colo., Mont., Wyo.,
and west ton. 103.50 - —
80 tons, frt. alld. Kan.,
Neb., N. Dak., Okla., S.
Dak., Tex., and east ton. 98.00 - —
40 tons, distributors, frt.
alld. Colo., Mont., Wyo.,
and west ton. 107.15 - —
Urea-ammonia liquor, A and B
grades, N basis, Belle, W.
Va ton. 125.00 - —
C and D grades, same basis,
ton. 123.50 - —
37 grade, same basis ton. 147.50 - —
Uva ursi leaves, bls lb. .10 - .14

V

Valerian root, Belgian, NF, bls lb. .45 - .50
Valine, dextro-laevo, dms., works lb. 22.50 -27.50
Valonia beards, bgs., ex dock ton. No stocks.
Cups, bgs., ex dock ton. 53.00 -55.00
Extract, powd., bgs., ex dock, duty
extra lb. .14½ Nom.
Vanadium pentoxide, CP, bgs., cns.,
works lb. 7.00 - —
tech., dms., works lb. 1.00 - 1.06
Vanilla beans, Bourbon, tins lb. 4.00 - 4.25
Mexican, cuts, tins lb. 5.00 Nom.
whole, tins lb. 5.75 Nom.
Vanillin, ex eugenol, tins, 25 lbs lb. 4.00 - —
smaller lots lb. 4.05 - —
ex guaicol, tins, 25 lbs lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots lb. 3.00 - —
smaller lots, tins lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works lb. .16½- .17½
5-gal. cns., works lb. .30 - —
tanks, works lb. .15 - —
Trichloride (see Trichloroethane).
Ether (see Ether, divinyl).
Vinylpyridin, ret. dms., works lb. 1.50 - —
Viosterol, bots., 10 billion USP units,
mill. units. .025 - —
1 billion USP units mill. units. .03 - —
less than 1 billion USP units
mill. units. .035 - —
Vitamin A, natural, acetate, bots.,
cns., dms., 200,000 to
350,000 A units per gm
1,000,000 units. .28 - .33
351,000 to 450,000 A units
per gm 1,000,000 units. .30 - .34
451,000 to 750,000 A units
per gm 1,000,000 units. .33 - .37
751,000 or more A units
per gm 1,000,000 units. .35 - .39
Minimum prices on natural Vitamin A acetate above prevail on quantities of five billion or more A units; the maximum of the above price range prevails on quantities less than one-half billion A units.
A, natural, concentrates (see Oil,
fishliver).
A, synthetic, acetate, 1,000,000 A
units, per gm 1,000,000 units. .40 - —
A, synthetic, palmitate, 500,000
A units per gm. 1,000,000 units. .40 - —
D_2 (see Calciferol).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
Vitamin B_6 (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).
Vitamin A (see Oils, codliver, fishliver).

W

Wahoo root bark, bls lb. 1.50 - 1.75
Tree bark, bls lb. .55 - .75
Wattle bark, fair average, or E.
Afr., bgs., ex dock ton. 65.00 - —
merchantable, bgs., ex dock ton. 62.00 -63.00
extract, liquid, 35% tannin, bbls.,
works lb. .04¾- .05
tanks, works lb. .04¼- —
solid, E. Afr., 61% tannin, ex
dock, duty extra lb. .06¾- —
S. Afr., 62% tannin, ex dock,
duty extra lb. .06¾- —
Wax, amorphous (see Wax, micro-
crystalline).
Bayberry, bgs., spot lb. .48 - .50
Bees, bleached, USP, white, bricks,
cs lb. .64 - .65
slabs, bgs lb. .63 - .64
crude, African, bgs lb. .44 - .45
Brazilian, bgs. lb. .54 Nom.
Cent. American, bgs lb. .48 - .50
refined, yellow, bricks, cs lb. .56 - .57
slabs, bgs lb. .54 - .55
Candelilla, crude, bgs lb. .48 - .49
refined, bgs lb. .52 - .53
Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, bgs., ton lots
lb. No stocks.
North Country, No. 2, ton lots
lb. .85 - .86
No. 3, crude, bgs., ton lots lb. .82 - .83
refined, bgs., ton lots lb. .87 - .88
yellow, No. 1, bgs., ton lots lb. 1.11 - 1.13
No. 2 lb. 1.09 - 1.11
Powdered carnauba price differentials same as powdered candelilla.
Japan, bgs lb. .75 - .76
Microcrystalline, 170°-175° m.p.,
ASTM, amber, ctns.,
20,000 lbs., group 3,
works lb. .14 - —
Less than 20,000 lbs., same
basis lb. .15 - —
black, ctns., 20,000 lbs., same
basis lb. .12½- —
Less than 20,000 lbs., same
basis lb. .13½- —
white, ctns., 20,000 lbs., same
basis lb. .25 - —
Less than 20,000 lbs., same
basis lb. .26 - —
180°-185° m.p. ASTN, black,
ctns., 20,000 lbs., same
basis lb. .14½- —
180°-185° m.p., ASTM, amber,
ctns., 20,000 lbs., same
basis lb. .16 - —
Less than 20,000 lbs., same
basis lb. .17 - —
Less than 20,000 lbs., same
basis lb. .15½- —
white, ctns., 20,000 lbs., same
basis lb. .27 - —
Less than 20,000 lbs., same
basis lb. .28 - —
190°-195° m.p., ASTM, amber,
ctns., 20,000 lbs., same
basis lb. .20½- —
Less than 20,000 lbs., same
basis lb. .21½- —
190°-195° m.p., ASTM, black,
ctns., 20,000 lbs., same
basis lb. .19 - —
Less than 20,000 lbs., same
basis lb. .20 - —
white, ctns., 20,000 lbs., same
basis lb. .33½- —
Less than 20,000 lbs., same
basis lb. .34½- —

Wax, montan, dom., black raw..lb. .25 - .25¼
refined ..... lb. .31 - .32
Bohemian, bgs. ..... lb. .18 - .19
German, bgs. ..... lb. .20 - .21
Ouricury, refined, bgs., ton lots lb. .80 - .81
Paraffin (see P.)
Spermaceti, blocks, cs..... lb. .27 - .30
cake, cs. ..... lb. .28 - .31
Sugar cane, crude, imp. bgs..lb. .35 - .37
refined, dom., slabs, works..lb. .60 - .65
imp., bags, N. Y..... lb. .40 - .42
White lead (see Lead, white).
White pine bark, rossed, bls..... lb. .13 - .20
White precipitate, USP, powd., dms., 50 lbs lls. 2.00 - —
Whiting, limestone, dry-grd., 99.5%, 325 mesh, bgs., c.l., works, ton. 6.00 -10.00
smaller lots, works..ton. 6.50 -15.00
wet-grd., bgs., c.l., works..ton.16.00 -30.00
smaller lots, works..... ton.21.00 -35.00
Paris white, bgs., c.l..... ton.24.00 -31.00
l.c.l. ..... whse. ton.25.00 -40.00
Precipitated, bgs., c.l..... ton.18.00 -20.00
l.c.l. ..... ton.25.00 -35.00
Wild cherry bark, thick, natural, bls..lb. .06 - .07
rossed, bls..... lb. No prices.
thin, natural, bls..... lb. .13½- .16
rossed, bls..... lb. .17 - .18
Wild indigo root, bls..... lb. .30 - .31
Wild yam root, bls. ..... lb. .16 - .17
Witch hazel leaves, bls..... lb. .20 - .25
Woodflour, 40 mesh, bulk, c.l., works, East..ton.32.00 - —
l.c.l., same basis..... ton.40.00 - —
60 mesh, bulk, c.l., same basis, ton.37.00 - —
l.c.l., same basis ..... ton.45.00 - —
Woodflour, 80-100 mesh, bulk, c.l., same basis..ton.40.00 -45.00
l.c.l., same basis..... ton.50.00 -55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanolin).
Wormseed, American, bgs..... lb. .13 - .14
Levant, bgs ..... lb. 4.15 - 4.25
Wormwood leaves, bls..... lb. .40 - .45

X

Xanthorrhiza root, bls..... lb. .28 - .30
Xylene (see Xylol).
Xylenol, 5°-7°, ret. dms., c.l., works, frt. equald..lb. .21¾- —
l.c.l., same basis..... lb. .22¼- —
tanks, same basis..... lb. .21 - —
45°, dms., l.c.l., frt. equald.... lb. .24 - —
fractions, over 7° C, dms., c.l., same basis..gal. .91 - —
l.c.l., same basis..... gal. .94 - —
tanks, same basis..... gal. .80 - —
Meta fraction, over 7° C, dms., c.l., same basis..gal. .96 - —
l.c.l., same basis..... gal. .99 - —
tanks, same basis..... gal. .85 - —
Xylidins, mixed, dms ..... lb. .45 - .50
Xylol, coaltar, industrial, tanks, works —
Bethlehem, Pa..... gal. .26 - —
Birmingham district..... gal. .23¼- —
Chicago district..... gal. .26½- —
Cleveland district..... gal. .26 - —
Dangerfield, Tex..... gal. .27 - —
Hamilton, Ohio..... gal. .25 - —
Johnstown, Pa..... gal. .24 - —
Lackawanna, N. Y..... gal. .24 - —
Pittsburgh district..... gal. .23 - —
Sparrows Point, Md..... gal. .26 - —
St. Louis, Mo ..... gal. .28 - —
Syracuse, N. Y. ..... gal. .23½- —
Terre Haute, Ind. ..... gal. .28 - —
Wyandotte, Mich..... gal. .27 - —
Youngstown, Ohio ..... gal. .23½- .28
Petroleum, indust., 10°, tanks, works:—
Albany, N. Y. ... gal. .28 - —
Bayonne, N. J..... gal. .28 - —
Baytown, Tex. ..... gal. .25 - —
Chicago, Ill. ..... gal. .27 - —
Detroit, Mich. ..... gal. .28 - —
Philadelphia, Pa. ... gal. .28 - —
Providence, R. I... gal. .28 - —
Sewall's Point, Va gal. .25½- —
Wood River, Ill gal .27 - —

Y

Yara, yara, cns..... lb. 2.00 - 2.25
Yeast brewer's dry, USP, 50 B units, per gram, 100-lb. dms..lb. .44 - .46
90 B units, per gram, 100 lb. dms..lb. .49 - .51
200 B units, per gram, 100 lb. dms..lb. .53 - .55
300 B units, per gram, 100 lb. dms..lb. .57 - .59
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock island, St. Louis, St. Paul..lb. .30¼- —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.
Benzidin, bbls., dlvd ..... lb. 1.60 - 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies..lb. 2.65 - —
Lithopone, all shades, bbls., frt. alld. E. of Rockies ... lb. .95 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse. l.c. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Island..lb. .32 - —
Dlvd. Ala.; Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, bbls., same basis as chrome..lb. 1.60 - 1.70
Primrose, bbls., same basis lb. 1.90 2.10
Iron oxide, natural, bgs., c.l., works..lb. .0141- .0250
l.c.l., works ..... lb. .0166- .0275
French type, bgs., c.l..... lb. .04½- —
l.c.l. ..... lb. .04¾- —
Peruvian type, bgs., c.l.. lb. .0185- .0210
synth. bgs., c.l. works..... lb. .09 - —
l.c.l. works ..... lb. .09¼- —
Mercury oxide, bbls., 1,000 lbs..lb. 1.93 - —
smaller lots ..... lb. 1.95 - —
Ocher American golden, bgs., works lb. .01¼ .02¾
Zinc, bots. same basis as chrome lb. .23½- —
Yellow dock root, bls..... lb. .16 - .25
Yellow xanthorrniza (see Xanthorrhiza)
Yerba santa leaves, bls..... lb. .28 - .30
Yohimbine hydrochloride vls..... oz. 3.25 - 4.00

Z

Zein, bgs., 36,000 lbs., works....lb. .30 - —
1,000 lbs. to 36,000 lbs., works lb. .32 - —
smaller lots, works..... lb. .35 - —
Zinc acetate, tech., bbls., dms....lb. .26¼- —
NF, dms. ..... lb. .38 - —
Arsenite, bgs., c.l., frt. alld. E. of Rockies..lb. No stocks.
l.c.l., same basis..... lb. No stocks.
Zinc borate, bgs., c.l., ship't pt., frt. alld., E..lb. .12 - .15¼
frt. alld. Pac. Coast....lb. .15 - .17¼
l.c.l., ship't pt., frt. alld. E..lb. .12½- .16
frt. alld. Pac. Coast....lb. .16¾- .19¼
Carbonate, purified, powd., dms. lb. .26 - —
tech., rubber makers', bgs., works..lb. .10¾- .11¼
precipitated, powd., dms.lb. .26 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 7.00 - —
l.c.l., works.....100 lbs. 7.40 - —
gran., bbls., c.l., works.100 lbs. 7.75 - —
l.c.l., works.....100 lbs. 8.15 - —
solution, 50%, dms., c.l., works, 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.50 - —
tanks, works.....100 lbs. 3.25 - —
NF, gran., dms .....lb. .42 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., works..... lb. .38 - .41
Dust, bbls., c.l., works..... lb. .1225- —
dlvd. ..... lb. .1250- —
l.c.l., works..... lb. .1260- .1325
Fluoride, bbls., works..... lb. .40 - —
Hydrosulphite, dms., c.l., frt. alld..lb. .17¼- —
l.c.l. ..... lb. .17¾- .18
Iodide, NF, jars..... lb. 4.85 - —
Laurate, bbls ..... lb. .45 - .48
Linoleate, solid, 9½%, bbls..... lb. .42½- —
Metal, slabs, E. St. Louis..... lb. .10 - —
Naphthenate, liquid, 8% Zn., frt. alld..lb. .20¾- —
10% Zn. dms., frt. alld..... lb. .25¼- —
Oleate, fused, bbls..... lb. .36 - —
Oxide, pigment, dom., amcular, bgs., c.l., ship't point, frt. alld..lb. .11 - —
l.c.l., works..... lb. .11¼- —
American process, com'l, lead-free, bgs., c..., ship't point, frt. alld..lb. .11 - —
l.c.l., works..... lb. .11¼- —
Zinc oxide pigment, dom., Amer. process com'l leaded, 5%, bgs., c.l., ship't point, frt. alld..lb. .11 - —
l.c.l., works..... lb. .11¼- —
35%, bgs., c.l., ship't point, frt. alld..lb. .11¾- .12
l.c.l., works..... lb. .12 - .12¼
50%, bgs., c.l., ship't point, frt. alld..lb. .12¼- .12½
l.c.l., works..... lb. .12⅝- .12¾
French process, com'l, lead-free, bgs., c.l., ship't point, frt. alld..lb. .13¼- —
l.c.l., works..... lb. .13½- —
green seal, bgs., c.l., ship't point, frt. alld..lb. .12¾- —
l.c.l., works..... lb. .13 - —
red seal, bgs., c.l., ship't point, frt. alld..lb. .12¼- —
l.c.l., works..... lb. .12½- —
white seal, bgs., c.l., ship't point, frt. alld..lb. .13¼- —
l.c.l., works..... lb. .13½- —
USP, ctns., c.l., ship't point, frt. alld..lb. .14¼- —
l.c.l., same basis..... lb. .14½- —
Zinc oxide Pac. coast prices, etc., higher; bbl. prices ¼c. higher than bgs.
Phenolsulphonate, NF, gran., bbls., dms..lb. .33 - .34
powd., bbls..... lb. .36 - .37
Resinate, fused, 1% Zn, dms., frt. alld..lb. .20 - —
precip., dms., frt. alld..... lb. .22 - —
Silicofluoride, bbls., works.....lb. .10 - .10½
Stearate, tech., USP, ctns., c.l., lb. .34 - —
ton lots ..... lb. .35 - —
less ton lots..... lb. .38 - —

Wax, Montan—Zinc-Calcium Resinate

Zinc sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld.. 100 lbs. 4.55 - —
l.c.l., same basis ..100 lbs. 4.95 - —
flake, 25½%, Zn, bgs., c.l., works..100 lbs. 4.50 - —
l.c.l., works.....100 lbs. 4.90 - —
powd., 36% Zn., bgs., c.l., dlvd., same basis..100 lbs. 7.00 - 7.40
l.c.l., same basis ..100 lbs. 7.40 - 7.75
Zinc sulphate in bbls. 40c. higher
USP, gran., dms..... lb. .22 - .22½
Sulphide, pure, bgs., c.l., frt. alld..lb. .13¼- —
l.c.l., works..... lb. .13½- —
Barium pigment, bgs., c.l., dlvd. lb. .08 - —
l.c.l., works..... lb. .08¼- —
Calcium, pigment, bgs., c.l., dlvd..lb. .08 - —
l.c.l., works..... lb. .08¼- —
Luminescent pigment, frt. alld. lb. 1.00 - 3.00
Magnesium pigment, bgs., c.l., dlvd..lb. .08 - —
l.c.l., dlvd..... lb. .08¼- —
Zinc sulphide and pigment, Pac. coast prices ¾c. higher; bbl. prices ¼c. higher than bgs.
Yellow (see Yellow, zinc)
Zinc-ammonium chloride, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l., works.....100 lbs. 7.40 - —
Zinc-cadmium sulphide, fluorescent, cns., frt. alld..lb. 2.00 - 2.60
Zinc-calcium resinate, dms., c.l., works..lb. .1180- .1300
l.c.l., same basis..... lb. .1220- .14

—Continued on page 70

ENAMELS HOLD THEIR "NEW LOOK" LONGER with....

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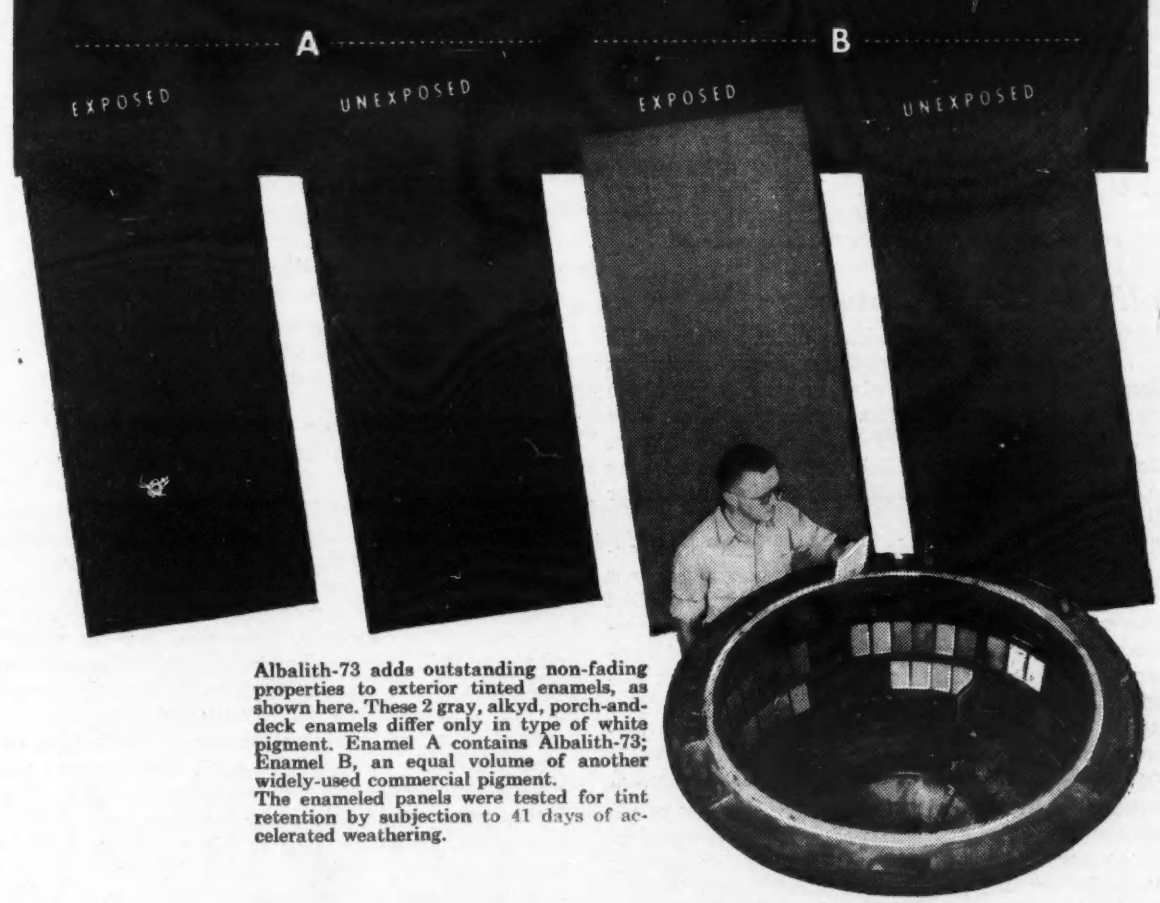
THE SURFACE-TREATED LITHOPONE



Albalith-73 adds outstanding non-fading properties to exterior tinted enamels, as shown here. These 2 gray, alkyd, porch-and-deck enamels differ only in type of white pigment. Enamel A contains Albalith-73; Enamel B, an equal volume of another widely-used commercial pigment.
The enameled panels were tested for tint retention by subjection to 41 days of accelerated weathering.

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Here's why: Albalith-73 imparts not only a slow rate of chalking, but also a type of chalking that results in minimum fading.

You will find, too, that Albalith-73 adds longer life to such tinted coatings as floor, porch and deck enamels. For it provides tougher films more resistant to washing and scuffing.

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Cut Government Costs

Congressmen of both houses and of both parties are beginning here and there to talk in billions about the reductions that should be made in the cost of running the federal government. Some of them get so far as to bring up reductions which are to be made. None has yet got so far as definitely to say what reduction will be made. It is still to be noted that the biggest cuts are advocated for the armed services—the vote cast in those areas would be small.

It is a bit too early to say whether congress will persist in its insistence that the cuts in government outlays must be designated by the executive branch. All who really wish to see the cost of running the government reduced should insist that congress fill its constitutional duty, cut appropriations, and refuse to make deficiency contributions—but that the cutting be determined in proper accordance with the national importance of the spending affected.

It is discouraging to know how very few voters have said anything to their congressional fund-finders about cutting off unnecessary (in a national sense) expenditures. Congressmen must be told such things: they are always hearing something to the contrary. It is not necessary to belong to any sort of committee or other organization to take an active part in the reformation of government spending. It is, however, very necessary that every voter take such a part this month. Government is costing him too much unnecessarily.

Politicomic Pettiness

Both sides are talking confidently of the victory which is to be theirs when the reconvening of congress brings before the senate legislation aimed at remedying of the inequitable treatment of oleomargarin which has long been the policy of the federal government. Nobody on either side expects that the fight is going to be an easy one, and the general expectation now is that neither will it be a short one.

It would be inconceivable to a wholly impartial exponent of nationally representative democracy how a people of the size and progressiveness of the United States could be inflicted with such pettiness as is represented in the governmental discrimination against oleomargarin. Certainly, he could not reconcile that discrimination with the proudly proclaimed advocacy of freedom of competition, so vigorously backed by governmental prosecution.

Of course, consistency is a bad habit—especially in politicomics. And it must be said that the law of the land and the administrative policy are concerned at least as much with the fairness of competition as they are with its freedom—neither of which can exist in completeness in the presence of the other. So, much noise is made about how oleomargarin is not a fair competitor of butter; although all the blame must be laid upon those who handle the product. Certainly, neither oleomargarin nor butter, of itself, could even be aware of ethical standards.

Law is not supposed to be concerned with inanimate creatures: it has to do with men. Therefore, should it deal with those who misuse oleomargarin to mislead the public; even as the pure food law is applied continuously to penalize those who are bamboozling with butter. Penalizing the consumer, with a tax or a ban, for offenses of the distributor is a queer sort of justice. Penalizing him to perpetuate a monopoly is not justice at all.

There is no more reason why oleomargarin should be taxed because it competes with butter than that corn syrup should be taxed because it competes with molasses or maple syrup. If the protection of every food group of agriculture against every potentially competitive other group is a function of a national government, there should be taxes and bans on beef for the benefit of hog-raisers, on rye bread for the benefit of wheat-growers, on fish for the benefit of egg-sellers, and so on ad infinitum—and also vice versa in every case.

Such protecting is not part of national governing. It is time that an end was put to the petty pampering of the crocodile-tearful butterbund, and proper consideration shown for the self-reliant people of the United States.

Why Investors Are Shy

For months the articulate diagnosticians of economic ills have been puzzling themselves over the apathy of what they like to call "the investing public" toward the more or less well-defined needs of business for "venture capital." They have gone to town with all numbers of horses in their explainings of what to them is a sorrowing departure from good, old American tradition. They have not been very convincing, even to themselves, in what they have been able to adduce in that respect.

One trouble with the majority of those who would know why capital adventurers are shy is that they are listening in the wrong places—largely to themselves. That is why the blame is laid chiefly on taxes and other governmental attention to business structures, practices, and possibilities. It cannot be denied that the taxing of business earnings in corporate areas does lessen the attractiveness of investment in corporate stocks. But, among the majority of those who might have money for such application, taxes are an infrequent topic of conversation. There is a great difference in that respect—and in basic practical economics as a whole—between the talk heard in a leather-chaired clubroom and that which marks the social relaxation of the more broadly thinking patrons of the men's bars of the land.

In any really typical talk on what to do with one's money—a subject on which there has been a great change of general opinion since 1929—it is quite evident that venturing investment is not highly regarded as a saving method. It is clearly implied, if not actually stated, that the average man with a bit of spare cash does not think much about stock venturing as a means of providing for a rainy day. He feels that one of the first things to be washed out when the rains come are stock dividends. He has a belief that nothing shrinks faster or farther than "securities" when bad weather comes along.

There is more than a little influence on the investment thinking of the individual of average income in the quite common assumption that competition is too free. That may sound strange to those who ever seek to protect the poor public from monopolies; but most people know that competition is costly. They read that the number of concerns in business has increased, in the past decade or so, about twice as much as the growth in population. And they know that it costs money to make two groceries or two gimmick factories grow where one was just about managing to exist. So, the man with a neat but not substantial ante figures that more money for business would only make for more competition at more cost. Also, he sees in his newspapers that a goodly number of billions of dollars have gone into the venture capital stream during the past year. Somehow or another he just can't figure out what is shy about that.

But, the biggest deterrent of capital venturing by the man of moderate means are the continuous, progressive demands of labor leaders that business pare more and more from its profits for the benefit of its workers. The AFL announcement of a week ago that it would do its utmost to tap the profits of industry for at least one more wage-boost in 1950 certainly was not an inducement for investment venturing. Neither are the declarations of various business groups that a record volume will be their goal this year—without a word, or even a thought, perhaps, about whether the concomitant value would set a high record or a low one. Taxes are a good topic of condemnatory conversation—in certain circles—but they are not by any means the only talking point in practical economic pathology.

For the Bookshelf

INDUSTRIAL CHEMISTRY: An Elementary Treatise for the Student and General Reader. By Emil Raymond Riegel, Ph.D., with the support of a large number of collaborators. Fifth edition. Cloth; xiii + 1015 pages. New York: Reinhold Publishing Corporation. $7.

Professor Riegel has done a good job in presenting the industrial chemical picture of the postwar period. He, therefore, has added much to the value of his book, which has got broad and able recognition since its first appearance twenty-one years ago. The general scheme has not been changed, but an earnest endeavor has been made to fit it to contain much that is new. The modernization has made many changes, has had an almost completely replacement effect with respect of such things as glass, water and sewage, utilization of wood, photography, petroleum, and sugar. Almost twenty new collaborators contributed to that processing.

The value of this book is fundamentally twofold:—(1) It has particular usefulness in the teaching of what college students should know who contemplate association with the chemical industry. (2) It is a cross-reference book in which chemical technologists, chemical industrialists, and chemical commercialists can find much useful knowledge in bordering fields of research and production and in new fields of distribution and expansion.

Text and reference books on industrial chemistry are nothing new. Always they have been not quite broad enough and not quite new enough. The wide and rapid changeableness of the chemical industry cannot be kept up with in a book. But, there has been real improvement in the books which attempt to tell the story. The new Riegel covers more than fifty producing and processing industries in the chemical field. And it has got close to the latest developments insofar as their prime contributions are concerned. It has an added value in that it can bring technologists, industrialists, and commercialists substantially up to date.

The contents of the new edition start with sulphuric acid—as they should. They run to organics, physics, metallurgy, power, water, patents, appliances, and everything necessary to know about, to the extent of fifty chapters, an appendix, and an index.

Washington Talks

—*Continued from page 5*

turnable to him at his call and expense. In the case of successful bidders on schedule items, samples are usually retained in the sampleroom for the convenience of Federal purchasing officers, both in the Federal Supply Service and in other government agencies.

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People Get More Money

Economists of the Department of Agriculture report that the most rapid change in our economy since 1939, and probably the most significant, is the tremendous increase in the money income of the people. This increase is greater than the increase in the total output of goods and services, they report; and, largely because of it, the general price level is much higher than at any time in the two decades prior to 1941.

The index of general commodity prices for 1949 has averaged about 225, compared with a range of 126 to 151 in 1921-30, and 95 to 126 in 1931-40. From 1921 to 1930 the yearly disposable income of the people ranged from an average of $507 to $677 per person. From 1931 to 1940, which included the period of our worst depression, it ranged from $360 to $573. In the last two years it has averaged about $1,300.

These increased incomes result primarily because of an increase in the proportion of the population employed and higher wages and salaries paid; although in many lines of industry, including agriculture, there have been increases in per capita output of goods, and this has contributed to the increase in income. The experts added that most of the increases in output have occurred in those industries which have been able to make greater use of machinery and mechanical power.

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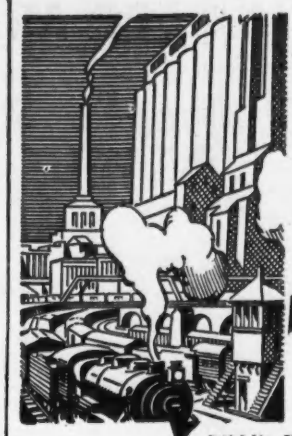

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Heavy Chemicals

Some of the tin based chemicals recorded another dip in price last week. These included tin chloride stannous anhydrous, tin sulphate stannous and tin tetrachloride anhydrous. Sodium stannate and other tin based chemicals remained quiet at former price levels. The tin market was fractionally lower with a moderate narrowing of the spread between spot and future shipments. Prime western zinc scored a fractional advance under a resumption of buying by galvanizers. Carbon bisulphide in tankcars was reduced in price effective January 1.

No unusual activity featured the heavy chemical market last week. Effects of holiday influences as well as the taking of year-end inventories were reflected in quiet trading. Demand for contract shipments was seasonal. Chlorine continued scarce but there were no other serious shortages of heavy chemicals. The picture, however, could easily change if the Carlsbad potash strike is not broken in the near future. Producers of caustic potash, potassium carbonate and other potash based chemicals have cutback output in order to conserve what is left of their inventories of muriate of potash.

Paper production based on a percentage of six-day capacity was 87.2 percent for the week ending December 24, according to the American Pulp and Paper Association. This compared with 98.4 in the preceding week, and 74.6 for the corresponding week in 1948.

Production figures appearing below unless otherwise designated are from the Bureau of the Census Department of Commerce and the Chemical Division of the Tariff Commission.

Ammoniac Sal — Dry battery makers have been steady buyers of white granular throughout the month of December. Demand from other consuming sources was not unusually active. Stocks have met requirements without difficulty and the carlot price has remained firm at the recent decline.

Ammonium Bicarbonate — Demand was sustained at a high level during most of the month of December with the cracker bakeries the principal buyers. The call for shipments was broad enough to absorb production and prevent stock accumulations.

Carbon Bisulphide—October production increased to 32,616,136 pounds from 26,642,559 pounds in September. Output for October last year was 35,926,315 pounds.

Carbon Tetrachloride — Stocks not free but meeting the requirements of contract consumers without difficulty. Production in October was down to 14,648,296 pounds from 17,162,130 pounds in September. Production in October in 1948 was 19,298,357 pounds.

Chlorine—Closed the year with the supply situation tight in the eastern area. It was apparent that while production was increased, demand expanded more than output and some producers were forced to make short shipments. The trade is expecting improvement in the supply condition to develop late this month or in February when there is usually a seasonal relaxation in demand but there was no indication of easement last week.

Copper Sulphate — Sales for industrial use are holding the gain recently reported. Agricultural inquiry is increasing with several buyers more eager to place contracts for Spring shipment prior to the expiration of 1949. Producers in the Southwest are experiencing a heavy demand from the Pacific coast including both agricultural and mining requirements. Most of the country's plants are now running at capacity.

The British Sulphate of Copper Association, Ltd., United Kingdom, reports a favorable outlook for the next season, states the British press. If no payment difficulties occur, the Association expects to increase its exports over those in 1948-49, which totaled 34,810 long tons.

Fluorspar — Importations containing more than 97 percent calcium fluoride for the first 9 months of 1949 were 2,394 tons from Mexico and 11,088 tons from Newfoundland. Mexico shipped to the United States 44,551 tons of fluorspar containing not more than 97 percent calcium fluoride during this period, Spain was second with 12,648 tons and Italy third with 3,146 tons. The total for nine months was 75,699 tons including both grades.

Glauber's Salt—October production was placed at 14,982 tons, compared with 12,235 in the preceding month and 16,137 tons in October 1948.

Nickel Sulphate — Shipments of satisfactory dimensions, mostly for plating use, featured the market during the month of December. While some producers have sold their output through March, there were ample stocks in other quarters to meet demand without difficulty.

Salt Cake — Kraft paper mills showed more interest in December and the market developed a steadier tone. Production of crude commercial in October amounted to 42,014 tons, compared with 37,142 in the preceding month and 60,674 tons in October 1948.

Potash, Caustic—Producers are finding their inventories of muriate declining as the strike at the Carlsbad potash plants continues. Demand for liquid caustic potash from the soap trade has held up well but the inquiry for the dry forms has shown no unusual activity. Some producers are refusing to consider export business at the present time.

Potassium Carbonate—Market conditions are regulated by the position of caustic potash. Demand for both calcined and hydrated from the glass specialty plants has kept the movement active over the past month. Textile mills have shown relatively little interest in the liquor.

Potassium Chlorate — Contract shipments to the match factories have readily absorbed production. Output is said to be well sold over this and next month. The market is firm but without suggestion of price change.

Soda Ash—Major consuming industries have taken shipments of seasonal volume without affecting the supply situation. Recent cutback in production has kept the market in a satisfactory degree of balance and it is expected that demand will improve with the passing of the holiday season and the inventory period.

Soda, Caustic—Market situation quiet and firm with the movement confined mostly to contract shipments. Demand has shown the usual relaxation incident to this period of the year. The price situation remained steady with stocks of liquid and dry forms available for prompt shipment.

Sodium Phosphate—Production of monobasic was down to 1,239 tons in October, compared with 1,328 tons in September and 1,251 tons in October last year. October output of dibasic amounted to 13,306 tons, against 11,527 in the preceding month and 9,259 tons in October 1948. Production of tribasic in October was placed at 6,153 tons, compared with 6,859 tons in September and 7,383 tons in October last year.

Sodium Silicate — October output, including soluble silicate glass, liquid and solid anhydrous, was placed at 49,912 tons, compared with 37,159 in the preceding month and 38,617 tons in October 1948.

Sodium Sulphate—Production of anhydrous refined in October was 12,199 tons, compared with 9,712 in the preceding month and 16,253 tons in October last year.

Tin Chloride—Stannous anhydrous was priced lower at prices ranging from 72c. to 73c. per pound in drums at the works. The adjustment was made to bring the market in line with the metal.

Tin Sulphate—Priced lower for stannous at 83.7c. to 85.7c. per pound in barrels at the works. Market revised to current tin prices.

Tin Tetrachloride—Priced lower at 48c. to 49c. per pound for anhydrous in drums at the works. New prices are more in line with the price of the metal.

Zinc Sulphate — Market situation remained unusually quiet during the month of December. It was expected that the glue factories, the rayon mills and the makers of stearates would enter the mar-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Zinc, prime western, ¼c. per lb.

Prices Reduced

Tin chloride, .0059c. per lb.
metal, ½c. per lb.
sulphate, .005c. per lb.
tetrachloride, .005c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Last year
216.4	216.4	216.4	234.6

Acids

Last week	Prev. week	Last month	Last year
121.8	121.8	121.8	123.3

(*For Current Prices see Page 9*)

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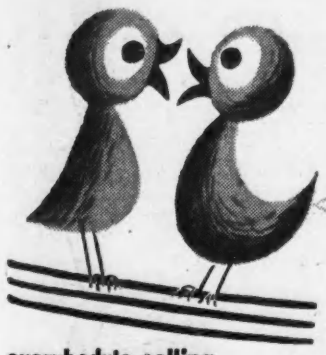

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ket but the month has revealed no important buying interest from any direction. It is stated that this condition has resulted in increased stocks which are readily available at current prices.

Acids

Acetic — October production of synthetic amounted to 38,067,189 pounds, compared with 33,186,069 pounds in the preceding month and 35,957,599 pounds in October 1948. The amount of recovered acid in October was 151,621,363 pounds against 137,824,830 pounds in September and 160,787,009 pounds in October 1948. Output of natural in October was 1,599,452 pounds, compared with 1,601,517 in September and 2,364,170 pounds in October a year ago.

Chromic — Plating demand has continued well sustained for shipments although it was stated that the buying movement had not attained sufficient dimensions to tighten the supply position.

Oexalic—While it is stated the volume of small lot sales in December was greater than the preceding month, there was no indication that present stocks are short. Producers have material available for immediate shipment at former price levels.

Phosphoric — Production made a new high record in October with a total of 125,276 tons including 71,123 tons made from phosphorus and 54,153 made from phosphate rock. The September output was revised to 111,224 tons and in October 1948 production registered 115,726 tons.

Sulphuric — Demand steady for industrial use but off some for agriculture because most of the country's superphosphate storage bins are bulging at the present time. Stocks in the local area are sufficient to meet requirements promptly.

Production of sulphuric acid in the United Kingdom in the third quarter of 1949 totaled 452,540 long tons (199,170 chamber process, 253,370 contact); 89 percent of capacity was utilized, the National Sulphuric Acid Association Ltd., reports. The largest consumer—101,929 tons—was the superphosphate industry.

Non-Ferrous Metals

Aluminum—Average daily shipments of aluminum wrought products during October were 11 percent above September 1949 but 23 percent below October 1948, according to the Bureau of the Census. Shipments of magnesium wrought products during October, also on an average working-day basis, were 10 percent greater than in September 1949 and 53 percent greater than in October of last year. Net shipments of aluminum wrought products totaled 106,000,000 pounds in October as compared with 96 million pounds in September 1949 and 139,000,000 pounds in October 1948. The increase over September was principally due to an 11,000,000 pound increase in shipments of plate, sheet, and strip.

Copper—Relatively quiet and firm last week after a heavy buying movement earlier in December. Electrolytic was priced at 18½c. per pound delivered Valley basis. Resumption of buying by the wire and brass mills is expected early this month.

Lead—Remained firm at 12c. per pound New York and 11.80c. St. Louis. The 1949 output is estimated at 400,000 tons and secondary recovery at 380,000 tons. In reviewing the situation a trade authority stated that the transition from a shortage to a plentiful supply was accompanied by sharp fluctuations in the market price of the metal. Starting out the year at a record high of 21½c., it declined steadily after March to a low of 12c. in May. In July, an increased demand carried the price to 15⅛c. in August, but the pressure of foreign imports forced the price down to 12c. in November, where it ended the year.

Platinum—It is stated that the industrial use of platinum for electrical and chemical purposes exceeded their uses for jewelry and decorative purposes in 1949. Platinum metals are chosen for industrial purposes for their economy, which involves exceptional performance and high salvage value. It is said these factors are receiving more attention from chemical engineers than ever before. The reconstruction, modernization and expansion of European facilities for manufacturing various kinds of electrical apparatus and for making rayon, acid and other chemical products, required important quantities of platinum and palladium for electrical contacts, and for spinnerets, catalysts and other purposes. These im-

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portant needs for platinum metals were augmented by a large demand for dental purposes.

Quicksilver—Buying interest remained quiet last week and there were no new price developments. Suppliers named $71 to $72 for 100 flask lots or over and $73 to $75 for smaller quantities.

San Francisco.—The market continues unchanged here as in the past several weeks with metal quoted at $73 per flask, f.o.b. this city. Little activity is noted and stocks are limited.

Silver—Prices have shown no variation during the past month. Demand continued steady enough to hold the market in a satisfactory state of balance. At the close of the year, 73¼c. per ounce was named for silver bullion in the New York market.

Tin—Price was lower at the close of the week after holding steady for the past ten days. The final quotation was 77½c. per pound for RFC material.

Zinc—Prime western scored a fractional advance last week establishing the market at 10c. per pound East St. Louis basis. The advance was the result of increased purchases by galvanizers who have shown relatively little interest in the market since the end of the steel strike.

Zinc Scrap—Recovery of secondary zinc in all zinc-base products in September was 8,681 tons or 13 percent below the August total, according to the Bureau of Mines. Stocks of all zinc scrap on September 30 were 29,832 tons compared with 30,529 tons on hand at the beginning of the month. Consumption of all zinc scrap totaled 13,140 tons. Treatment of galvanizers' dross, skimmings and ashes, die cast skimmings and flue dust dropped 1,086 tons, 654 tons, 369 tons and 232 tons, respectively. Partially offsetting these declines were gains in the use of die castings, sal skimmings and rod and die scrap. Production of redistilled slab was 3,065 tons or 28 percent below August output.

Alumina from Clay Patent Is Available

Nonexclusive, royalty-free licenses are being offered by the Department of the Interior under United States patent 2,476,979, covering a cyclical process for preparing commercially pure alumina from clay and other silicates of aluminum.

Generally stated, crushed aluminum silicate containing metallic impurities is converted to acid aluminum sulphate by the action of strong sulphuric acid solutions. Aluminum sulphate residue resulting from the first acid treatment is washed, in the presence of sulphur dioxide, with another strong solution of sulphuric acid and then water. Impurities are later removed from the washing solution by concentrating and precipitating the metallic sulphates so that the acid may be reused.

Inquiries concerning the patent should be addressed to the solicitor of the department, Washington 25.

Monsanto Shifts Staff Of Organics Division

Monsanto Chemical Company, St. Louis, Mo., has appointed R. S. Wobus plant manager of the plant of its organic chemicals division at Monsanto, Ill. He succeeds P. M. Tompkins, who has been transferred to the company's St. Louis office to become chief process engineer for the division.

D. B. Hosmer has been named assistant plant manager in charge of production at Monsanto, and T. W. Dalton has become superintendent of the hydrogenation group of departments. Mr. Tompkins has been manager of the plant since 1943.

Pennsalt Publishes Data On Liquid Chlorine Handling

Pennsylvania Salt Manufacturing Company, Philadelphia, has issued a new, durable wall chart on accident prevention and safety measures to be followed in the handling of liquid chlorine. Suggestions on employee protection, equipment maintenance precautions in locating leaks and first-aid suggestions are offered. Copies of the chart may be obtained by writing the company's heavy chemicals division, 1000 Widener building, Philadelphia 7.

Eastman Kodak Advances Two

Eastman Kodak Company, Rochester, N. Y., has appointed Paul A. Barbee manager of its industrial photographic sales division. The company has also appointed Johm McMaster assistant manager of its graphic arts sensitized goods sales division.

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Agricultural Chemicals

Resumption of buying for stockfeed requirements was reflected in higher prices for both dried blood and tankage. Bone meal and fish meal remained steady with trading relatively quiet. More castor pomace could have been sold at the recent advance but no additional offerings reached the open market. Nitrogenous process tankage continued in a heavily sold ahead condition.

Potash plants in the Carlsbad area have remained on strike over the month of December. Larger mixers have drawn on inventory stocks but many of the smaller mixers that resumed operations early in December have been forced to suspend until potash shipments can be made. According to reports there are no present shortages of ammonia sulphate or superphosphate and storage space is becoming tighter with each successive week. There appears to be plenty of sodium nitrate to meet the season's requirements and the only serious supply problem at the moment is potash.

Approximately 83 percent (680,000 tons) of the October superphosphate output was in the form of normal (18 percent a-p-a) superphosphate and close to 5,000 tons were in the form of wet base goods. The month's turnout of concentrated superphosphate—52,930 equivalent short tons of 45 percent product—was the highest on record, surpassing by almost 4,400 tons the previous record established in July of this year. January-October concentrated superphosphate production totaled 454,000 tons, or 60,000 tons more than were reported during the first ten months of 1948.

Nitrogenates

Ammonium Nitrate — October production showed 70,629 tons of original solution, including 58,527 tons of fertilizer grade and 12,102 tons of all other grades. Total production in September was 85,906 tons and in October 1948 output registered 84,128 tons.

Ammonium Sulphate — Production of converters' sulphate touched a new high level in October when 142,756,000 pounds were made. September production amounted to 133,763,000 pounds and in October last year 38,900,000 pounds were made.

Bone Meal — Quiet and steady with $65 per ton the prevailing figure for all grades here and in Chicago.

Castor Pomace—No additional sales at the late advanced price of $27.50 per ton. Inquiry active, no stocks offered.

Dried Blood—Local prices advanced to Chicago parity. Sales at $8.50 per unit of ammonia here and in the West. The feed trade were buyers.

Fish Meal—The quantity of fish meal manufactured during October, by firms that normally produce 92 percent of the total annual production, amounted to 31,828 tons—14,674 tons more than was produced during October, 1948. Pilchard meal accounted for 12,285 tons of this increase, with the balance consisting of groundfish, herring, and tuna and mackerel meal. During the first ten months of 1949, the production of fish meal processed in these plants amounted to 174,017 tons, compared with 161,074 tons during the corresponding period of 1948. The amount of menhaden meal produced in October was 7,944 tons, against 9,254 tons for the corresponding month in 1948. Production for ten months ending October 31 amounted to 94,575 tons, compared with 99,084 tons for the same time last year.

Tankage—Priced higher here and in Chicago. Feeders have taken on stocks at $8.50 per unit of ammonia in both areas.

Exports of tankage ("guano") from Argentina in October, 1949 totaled 4,132 metric tons; Europe was the principal destination. Exports of dried blood were 634 tons.

Phosphates

Phosphate Rock—Domestic demand has relaxed during the past two weeks because most of the acidulating plants are awaiting the Spring movement to start and relieve the over-crowded condition of their storage facilities. The supply of phosphate rock has continued comfortable and is capable of meeting home and export requirements promptly.

Superphosphate — Production at 184 acidulating plants throughout the United States totaled 816,724 equivalent short tons (basis 18 percent a-p-a) during October or approximately 2,000 tons more than were reported for September. The October figure, which is based on reports received by NFA and a summary of reports received by the Bureau of the Census, represents a decline of approximately 1.5 percent from the October, 1948 total, and brings the equivalent tonnage produced to date in 1949 to 8,800,000 tons, which is also slightly below the corresponding amount in 1948.

Market Trends

Prices Advanced

Dried blood, 50c. per unit of ammonia. Tankage, 50c. per unit of ammonia.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
81.6	81.6	81.6	81.6

(*For Current Prices see Page 9*)

Potashes

Production and shipments still held up by the continuance of the strike at producing plants in the Carlsbad area of New Mexico. Mixers and other users have been drawing on inventories and express much concern over the replenishment outlook.

The largest private potash company in France had a record output of 1,039,515 metric tons in 1948, according to the firm's annual report appearing in the foreign press. Progress continued in the first half of 1949, output being 659,025 tons. Productive capacity is fully utilized and it is planned to increase it still further.

Los Angeles Fertilizer Market

Los Angeles.—Trading has been slow in the local market and few price changes are reported A producer announced a $3 per ton cut in ammonia nitrate price making the domestic material $65 a ton, f.o.b. plant. Supplies of all materials are ample for present demands. Fish meal prices show further increase and also a slight gain in activity.

Ruling prices were:—Ammonia nitrate, $74.38 per ton for Canadian material, f.o.b. Los Angeles. Ammonia phosphate, $65.15 per ton for 16/20 grade, fo.b. Los Angeles; $89.65 per ton for 11/48 grade, f.o.b. Los Angeles. Ammonia sulphate, $55 per ton in bags, f.o.b. Los Angeles, Canadian material same in bags. $2.50 discount for bulk. Blood meal, $6.35 to $6.75 per unit of ammonia at source. Bone meal, $70 to $71 per ton for imported, steamed 1/30 meal, f.o.b. Los Angeles. Fish meal, $162 per ton for 60 percent tuna, f.o.b. Los Angeles, $187.60 to $190.90 per ton for 67 percent sardine, f.o.b. San Francisco, $178.75 per ton for 65 percent sardine, f.o.b. Los Angeles. Nitrate of soda, $53 per ton in 100-pound bags, f.o.b. Los Angeles Harbor. $48 per ton for bulk. Potash muriate, 45½c. per unit, bulk, f.o.b. Trona basis. Potash sulphate, 95 to 98 percent K_2SO_4, 79c. per unit, f.o.b. Trona. Superphosphate, $21.20 per ton bulk, f.o.b. Los Angeles area. $250 extra for bags. Triple, $71.50 per ton, 42 percent a.p.a., f.o.b. Los Angeles. Tankage, dry rendered, ground, 50 percent protein, $4.75 to $5 per unit of ammonia at production plant, plus 10c. per unit of b.p.l.

Sulphur

Mine shipments of native sulphur have maintained a satisfactory seasonal average over the past month. Miscellaneous demand has continued steady with no serious variation. Meanwhile, stocks have been kept at a level to meet requirements promptly at former price levels.

Pesticides

It is expected that calcium arsenate and lead arsenate prices for 1950 will be announced this month. While reports from NACA members, governmental agencies and grower organizations indicate that preparations for the forthcoming residue tolerance hearings by the Food and Drug Administration to begin January 17 are underway, it appears there still remains a lack of understanding on the part of some members of the industry and agricultural groups as to what agricultural chemicals are in the scope of the hearings and of the importance for proving "necessity for use."

Benzine Hexachloride — Production in October amounted to 2,334,827 pounds, compared to 2,734,170 in the preceding month and 1,447,378 pounds in October, 1948. Gamma isomer content of BHC in October was 351,447 pounds, against 370,136 in September and 204,550 pounds in October last year.

DDT—October production was down to 2,485,769 pounds from a revised total of 3,258,251 in September. In October, 1948 output registered 1,102,571 pounds.

For Late Market Developments, See Page 4

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Duval Texas Sulphur Plans Sale of Stock

Duval Texas Sulphur Company, Houston, has filed a registration statement with the SEC seeking registration of 375,000 shares of its capital stock (no par).

The stock is to be offered for subscription at $13.50 per share by holders of outstanding common stock. United Gas Corporation, owner of 74.71 percent of the outstanding shares of capital stock of the company, has agreed to purchase at the subscription price any shares of stock not taken by others. No underwriting is involved.

Proceeds of the sale of the stock will be added to general funds for use, along with other cash resources of the company, to provide mining and milling facilities for the mining and processing of potash from the properties of the company in Eddy County, New Mexico.

Dutch Fertilizer Cooperative Present 'Windmill' Angle

Early in the nineteen-twenties two long-operative cooperatives in the farm field of the Netherlands decided to go into the business of providing themselves with superphosphate. With that purpose, they organized the Eerste Nederlandsche Cooperatieve Kunstmestfabrick, acquired a site near Vlaardingen, and erected a plant which could produce five times as much as their members then needed.

The venture has grown into an allover fertilizer business with a subsidiary in South Africa. Its story is interestingly told in a booklet, "Fertilizers Viewed from the Windmill Angle," which includes a useful dissertation on phytonutrition and its consequences in animal life.

The Dutch Cooperative now is producing, in addition to fertilizer materials and mixtures, six sodium-phosphorous compounds and five silicofluorides.

Spencer Engages Two

Spencer Chemical Company, Kansas City, Mo., has added James P. Menn to its technical services staff and has assigned him as promotional agronomist in the states of Wisconsin and Minnesota. The company has also added W. E. Hubbard to its agricultural chemical sales staff and assigned him to a headquarters in Memphis, Tenn.

Kaiser National Sales Agent For Benson Aluminum Drums

Kaiser Aluminum & Chemical Sales, Inc., Oakland, Calif., is now acting as national sales agent for Benson aluminum drums for the chemical industry, under an agreement with the Benson Manufacturing Company, Kansas City. The line has recently been expanded to include a fifty-five gallon drum, model A945, drawn from one-eighth inch 52S aluminum plate. Another drum, model A-908, is drawn in two shells from 99.5 percent pure aluminum alloy of three-sixteenths inch thickness, and is particularly recommended by the maker for nitric acid.

Cox Named President Of Kennecott Copper

Charles R. Cox has resigned as president of Carnegie-Illinois Steel Corporation, United States Steel subsidiary, Pittsburgh, to become president of Kennecott Copper Corporation, New York. He succeeds the late E. T. Stannard, who recently died in an airplane accident in Canada.

Mr. Cox became president of Carnegie-Illinois Steel Corporation on August 1, 1946, having previously served for three years as president of another large United States Steel subsidiary, National Tube Company. He began his career with the steel corporation as an employee of the National Tube Company's Ellwood Works, Ellwood City, Pa., in 1934, and soon afterwards became general superintendent of that plant. In 1936 he was appointed vice-president in charge of operations, and in March, 1941, was made executive vice-president. Two years later he was elected president of both National Tube and Tubular Alloy Steel Corporation.

Ill. University to Award Ten Research Fellowships

The University of Illinois Graduate College, Chicago, will award ten research fellowships for one calendar year in the fields of medicine, dentistry and pharmacy. The medical and dental scholarships carry stipends of $1,800 a year and those in pharmacy $1,200. There will be exemptions from tuition fees for all appointees. In unusual cases a $2,400 stipend may be awarded to those holding a doctor's degree. Registration in the Graduate College for full time credit towards M.S. or Ph.D. degrees is required.

G.A. Bratt Celebrates Fiftieth Anniversary with Griffith & Boyd

George A. Bratt, sr., president of the Griffith & Boyd Company, producer of bone fertilizers, Baltimore, was recently tendered a luncheon in honor of his fiftieth anniversary with the company. Mr. Bratt joined the company in 1899 as stenographer and clerk and was elected president in 1936.

Trade Briefs

Monsanto Chemical Company, St. Louis, Mo., has published a bulletin on the function and use of "Hibitite" acid inhibitor. Copies may be obtained from the company.

Pennsylvania Salt Manufacturing Company has issued a new chart showing the resistance of both resins and silicate cements to various corrosive chemicals. Copies may be obtained from the company's special chemicals department, 1,000 Widener building, Philadelphia.

Myles S. Maxim, formerly of the Merrimac Division of the Monsanto Chemical Company at Everett, Mass., has been transferred to the company's central research department in Dayton, Ohio. His new duties will entail engineering and design work on special projects.

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Coaltar Chemicals

Some producers advanced the price of benzol and toluol last week to correspond to the move made during the previous week in other quarters of the industry. All producers still had not revised their schedules, although announcements on what they would do were expected in the not far off future. Xylol prices so far were without change.

Prices on pharmaceutical pyridin were also being dropped in some quarters of the industry, following the action taken by one producer during the previous week. One producer announced that on January 1 it would drop from 95c. to 92c. on paratoluidinemetasulphonic acid. This would put that producer in line with the others who had been at the lower figure.

Demand in general continued to hold at good levels. The supply situation on the whole was better than it was during the strikes and the period immediately following them. However there were still some shortages here and there.

The American Iron and Steel Institute reported last week that production of the companies having 94 percent of the capacity of the industry was scheduled at 93.1 percent of their potential. This was equivalent to 1,716,300 tons of steel ingots and castings as compared to 1,742,100 tons in the previous week, 1,753,800 tons during the corresponding period a year ago and 1,281,210 tons during the average week of 1940, the highest pre-war year.

Basic Products

Benzol—Following the recent upward revisions in price in some quarters of the industry, others last week announced that they would go along on a similar 2c. rise. However, all producers still had not by week's end taken action on the matter. They were studying the situation and announcements as to just what they would do were expected in a short time. Meanwhile, the supply of the material continued on the tight side and was expected to remain somewhat tight for at least the immediate future. The demand was holding up at good levels and the indications were that it would continue that way.

Coaltar—Demand for this item was still holding at about the levels noted in recent weeks. On the whole, the requests for the product were coming in in fairly good numbers and there were indications that they would continue that way for at least the immediate future. Pricewise, there were no changes reported during the period under review and there were no indications that there might be any in the immediate future. The item had recovered pretty well in some parts of the country from the recent strikes in steel and coal, although the recovery was still a bit on the spotty side. It was said that recovery still lagged a bit in the South as compared to the North and it was still a bit difficult to tell just when the situation might clear up completely.

Creosote—Prices on this product were unchanged during the period under review and there were no indications that there would be any revisions in the immediate future. Supply was still on the strong side. Domestic production had recovered sufficiently from the recent strikes and added to the amounts that were being made in this country was the steady arrival of goods from abroad. England was still sending in the bulk of the material, although there was some landing now and then from Germany and it was thought possible that there might be some available from Japan, depending on the speed with which the industry recovers in that country. Demand in this country was reasonably good but was still not sufficient to absorb all of the material that was available. The Pacific Coast demand was reported to be a bit on the slow side but the Gulf area was showing a fairly good demand. The amount of general building and industrial expansion going on in that section was responsible for the heavier demand.

This was normally the slow season for the material. Timber was being cut now and the treatment of it with preservatives was something that would come later on. The railroads and utilities were reported to be showing interest in creosote for use on ties, poles and crossarms, but the production of such materials was not at a high level. With the cost of building lumber up, the timber cutters were said to be able to get more money for their timber through those outlets and this was naturally affecting the amount of lumber that would be available for the railroads and utilities. One source reported last week that it thought the indications for the turnover of the item during the coming year seemed a bit better than they did a year ago at this time, but it would not be until early Spring and even through the Summer that it could be determined just how much better business might be, for those months were the best ones as far as sale of creosote was concerned.

Cresol—The supply of this material was reported to be in reasonably good shape during the past week, and an improvement had been noted in it steadily since the ending of the strikes and the return to normal operations in the producing centers. The demand was at reasonably good levels and the indications were that it would remain that way for at least the immediate future. Now that the supply was easier, a more realistic tone was noted in purchasing. During the strikes there was naturally a good deal of "scare buying" but as consumers learned that the supply was becoming freer, they naturally stopped their "scare-ordering" and returned to placing their normal requirements. There were no changes reported in the price range during the past week and there were no indications that there were any contemplated for the immediate future.

Cresylic Acid—Prices on this material were reported to be holding to their previously noted levels during the past week and there were no indications that there were any revisions in prospect for the immediate future. The output of the item was at reasonably good levels now that the strike picture had cleared and production was at a better level. Consumers were not placing excess orders in the hope of having part of them filled. Steady arrivals of the material from abroad were keeping up the supply situation in this country. The demand was at reasonably good levels and the indications were that it would stay there for at least the immediate future.

Naphthalene—The demand for this material continued at strong levels during the past week and the indications were that it would remain so for at least the immediate future. The item was in a heavy demand for use in the production of phthalic anhydride as well as for other uses. At this time, phthalic anhydride was being bought in large amounts and it was thought that there would be a good demand for it in the future. This naturally was taking up large amounts of naphthalene and indicated that the future demand would be strong. When the strikes were at their height and naphthalene was particularly difficult to obtain, most of it was going directly into the production of phthalic anhydride, but with the easing of the strike picture, the item was again available for other uses. The ending of the strikes brought with it a general easing in the supply of naphthalene, although it was still not completely free. Considerable amounts of it were still being brought into this country from abroad. Most of the foreign material, it was thought, represented goods that were bought during the height of the strikes and was still arriving. How much demand there would be for the foreign material after the orders were filled and the domestic situation settled down was difficult to say.

Naphthalene prices were reported to be

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
110.1	110.1	110.1	141.3

(*For Current Prices see Page* 9)

Coke By-Products

Estimates of by-product cokeoven operations in the week ended December 17 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	991,211
Ammonia sulphate	lbs.	25,667,148
Benzol	gals.	3,234,478
Coaltar	gals.	11,998,870
Creosote oil	gals.	667,763
Naphthalene, crude	lbs.	1,585,937
Phenol	lbs.	188,808
Toluol	gals.	646,895
Xylol	gals.	146,073

For Late Market Developments, See Page 4

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unchanged during the period under review and there were no definite indications that there would be any immediate changes in the listings.

Phenol — The situation in synthetic phenol last week seemed to have cleared up pretty well. During the strikes, when benzol was difficult to obtain, this material naturally tightened up, but by last week it was again reported to be in good supply. Demand, however, still continued at good levels and the indications were that it would remain that way for the immediate future at least. Contract customers were again having their orders filled without any particular difficulty and it was said in some sections of the trade that producers were able to handle orders from new customers. This was considerably different from the situation during the strike period when even contract customers were rationed as producers did their best to give all a fair share of the goods that were available. There were no changes reported in the price structure during the period under review, and there were no indications that there might be any in the immediate days to come. However, with the price of benzol rising, there was some question as to just what might happen to the price of synthetic phenol. It appeared a little too early to tell just what would happen last week, but the industry was naturally interested in noting that the price of a raw material for phenol production had advanced.

Pyridin—The drop of 5c. per pound that was announced during the previous week for the pharmaceutical grade was followed in other sections of the industry during the past week. There were no changes reported in the price of the denaturing grade. In some quarters the material was reported to be tight, but in others it was said to be in an approximate balance with demand.

Solvent Naphtha — A condition of approximate balance prevailed between supply and demand for this material during the past week. This was about the same condition that had prevailed since the ending of the strikes and the return to normal production. There were no changes reported in the price listings, and there were no indications that there might be any in the immediate future.

Toluol—Prices on this product were advanced by other producers last week to follow the action taken during the previous week when prices went up with some producers. Although all still had not revised their schedules, the situation in general was being studied throughout the industry and further announcements were expected in the not distant future concerning what other producers planned to do. The supply of this material continued on the tight side and there appeared to be no signs of any immediate easings. The demand remained strong and from the indications that could be gathered it seemed that it would continue that way into the beginning of the first business quarter.

Xylol—The price structure of this item remained unchanged during the period under review. Although benzol and toluol prices were advancing this item showed no immediate signs of following. However, this was not a clear indication of what might happen and the trade was watching the item closely to determine whether it, too, might follow suit. It remained in tight supply while the demand for it was running at high levels.

Intermediates

Acid, Paratoluidinemetasulphonic—One producer announced last week that, effective January 1, it was dropping its listings on this material from 95c. to 92c. This brought this producer in line with others who were offering the material at 92c. Otherwise, there were no particular changes in the market for the material. The supply in general was in good shape and the demand, while not running to any great proportions, was of a steady nature.

Pentachlorophenol—Pricewise, this material was holding to its former levels during the period under review and there were no indications that there were any immediate revisions in prospect. Supplies were reported to be sufficient to meet the demand and the requests for the item were said to be coming in to the producers at a good rate for use in wood preserving.

Phthalic Anhydride—Supplies of this material continued on the tight side during the past week. Since the ending of the strikes the supply situation had improved considerably but demand was still so heavy that the material was still not free as to supply and there were no concrete indications as to when it might be. One producer pointed out that it was shipping out of production while another said that recently there seemed to be signs that there would be an easing in the demand, but such an easing never became a reality

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and therefore supplies still had to be considered short. Bookings for the coming year, it was reported, indicated that the demand for the material in the next few months to come would hold up to good levels. Pricewise, there were no changes and there were no suggestions that there might be any immediately, although it was still hard to say definitely what might happen to the material now that 1950 was here.

Production figures released by the United States Tariff Commission indicate that during the month of October the output of this item amounted to 16,284,350 pounds, as compared to a production of 12,601,904 pounds during the month of September.

Trichlorobenzene—The price listings on this material were holding to their previously established levels during the past week. The general supply situation was reported to be pretty fair and the demand, although not running to any great volume was said to be steady.

Gen. Aniline Offering New 'Helindon' Dyestuffs

General Aniline & Film Corporation, New York, has commenced marketing a new line of "Helindon" dyestuffs. The dyes are said to be especially suited for dyeing wool without decreasing fiber elasticity or strength, and yarn dyed with them is said to have tested 10 percent stronger in the filling and 25 percent stronger in the warp than materials dyed with chrome colors.

New Bedford Textile Inst. Reallocates Faculty Posts

The New Bedford Textile Institute, New Bedford, Mass., has advanced George Walker from principal to president and has named head textile school instructors John E. Foster and Francis Tripp professors. Also redesignated were: Fred Beardsworth, Edward H. Cloutier, James L. Giblin, Thomas H. Gourley and Frank Holden, from head textile school instructors to associate professors; John C. Broadmeadow and Edmund J. Dupre from textile school instructors to associate professors, and Adam Bayreuther, Louis Pecheco jr. and Antone Rodil from textile school instructors to assistant professors.

Alrose Has New Detergents

Alrose Chemical Company, Providence, R. I., has introduced two new drycleaning detergents, under the tradenames "Alrolene 65" and "Alrolene 70." An explanatory and descriptive bulletin, entitled "Some Frank Questions and Answers about the Alrolenes," has been published and may be obtained upon request to the company at Box 1294, Providence.

Stein, Hall Advances Two

Stein, Hall & Co., New York, has appointed Roswell D. Armstrong New England manager, in addition to his duties as manager of the company's Boston office. Jesse A. Fraser has been appointed manager of the Providence branch office, to succeed Joseph A. King, who has resigned.

Trade Briefs

American Viscose Corporation has elected Gerald S. Tompkins a vice-president. He is general manager of viscose rayon production and a director of the company.

Inland Steel Company has appointed J. J. Davis, jr., to be responsible for chemical and pig iron sales, in addition to his duties as manager of sales of the railroad division. A. C. Engh has been appointed manager of the pig iron and chemical section of the consolidated sales units.

Freight Rate Relief Asked

The Interstate Commerce Commission last week announced the filing of the following applications for relief from the long-and-short haul provisions of section four of the interstate commerce act:—

No. 24720—By D. Q. Marsh, agent for and on behalf of carriers parties to his tariff ICC 3721, covering diethyleneglycol in tankcar lots from Port Neches, Tex., to Springfield, Ill. Grounds for relief:—competition with rail carriers, circuitous routes, and market competition.

No. 24729—By D. Q. Marsh, agent for and on behalf of carriers parties to his tariff ICC No. 3746, covering the movement of fertilizer ammoniating solution and nitrogen fertilizer solution in carloads from Etter, Tex., to points in the South. Grounds for relief:—Circuitous routes, to maintain grouping and to apply over short tariff routes rates constructed on the basis of the short line distance formula.

No. 24730—By D. Q. Marsh, agent, for and on behalf of carriers parties to his tariff ICC No. 3721, covering the movement of proprietary antifreeze preparations in carloads from Port Arthur, Tex., to Whitehall, Ill. Grounds for relief:—Circuitous routes.

No. 24732—By R. E. Boyle, jr., agent for and on behalf of the Gulf, Mobile and Ohio Railroad and New Orleans and Northeastern Railroad, covering the movement of oyster shell dust in carloads from Mobile, Ala., to New Orleans, La. Grounds for relief:—Circuitous routes.

No. 24735, by R. E. Boyle jr., agent for and on behalf of carriers parties to agent B. Q. Marsh's tariff ICC 3862 covering shipments of crude sulphur in carloads from points in Louisiana and Texas to south Atlantic ports. Grounds for relief:—competition with water carriers.

No. 24737—By R. E. Boyle, jr., agent for and on behalf of the Alabama Great Southern Railroad Company, and other carriers, covering the movement of phosphate rock in carloads from points in Florida to Gulfport, Miss. Grounds for relief:—Circuitous routes.

No. 24741—By R. E. Boyle, jr., agent for and on behalf of carriers parties to agent C. A. Spaninger's tariff ICC No. 595, covering the shipment of cottonseed oil cake and meal, and cottonseed hulls and bran in carloads from points in the south to points in southwest and western trunk line territory. Grounds for relief:—Circuitous routes and market competition.

No. 24742 — By The Atchison, Topeka and Santa Fe Railway for itself and on behalf of carriers parties to fourth-section application No. 21113, covering the shipment of potash in carloads from Carlsbad and Loving, N. M. to Walport, Ark. Grounds for relief:—Circuitous routes.

No. 24744—By Ira D. Dodge, agent, for and on behalf of carriers parties to his tariff ICC No. 762, covering shipments of cottonseed mixed food in carloads between Shreveport, La. and points in Texas.

No. 24749—by R. E. Boyle jr., agent for and on behalf of carriers parties to D. Q. Marsh's tariff ICC 2571, supplement 176, and L. E. Kipp's tariff ICC A-3020, supplement 213, covering the movement of phosphate rock and phosphate limestone in carloads between points in Tennessee and points in Kansas-Missouri territory. Grounds for relief:—circuitous routes.

No. 24750—by D. Q. Marsh, agent for and on behalf of carriers parties to his tariff ICC 3494, covering the movement of petroleum products in carloads from points in the southwest and Kansas to Pikeview, Colo. Grounds for relief:—competition with rail carriers and circuitous routes.

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Textile and Leather Chemicals

This market was dull and featureless, as is usual at this season of the year. Business was inactive, but prices were generally steady for most materials.

The only price change took place in potassium bichromate, which was lifted fractionally for 1950 delivery, effective January 1. Other bichromates were unchanged. Under the new price schedule for bichromates for 1950, the price will be determined by the quantity shipped at one time, instead of the total quantity purchased during the year.

Of most interest in sizing materials, was the improvement in the supply condition of potato starch. Production has increased materially and grinders were in position to offer more freely for January forward delivery. Prices were unchanged and steady. Business was light, mainly for prompt delivery. Other materials were inactive and quotably unchanged. Tapioca flour for shipment attracted little attention, with consumers confining purchases to spot delivery. Inquiry for sago flour improved for shipment, while demand for spot stocks was slow.

Egg products were unsettled by the reduction of the egg support price from 90 percent of parity to 75 percent for 1950. This lowered the national average price for eggs to 37 cents per dozen, against 45 cents in 1949.

Quietness prevailed in tanning materials, and little improvement is expected in the demand for replacements until later in the month. Recent heavy imports of quebracho, wattle and some of the other materials replenished inventories for current needs.

Market Trends

Prices Advanced

Bichromate of potassium, ½c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
286.0	286.0	289.4	366.5

(For Current Prices see Page 9)

Chemicals

Acetic Anhydride—Production of acetic anhydride was materially higher in October and was increased to 68,704,244 pounds, compared with 62,927,250 pounds in September and 69,857,397 pounds, during October, 1948.

Bichromates—Business was reported of good volume during December. Market was firm. The new price schedule went into effect January 1. Under the new schedule the price is determined by the quantity of bichromates shipped at one time to the same destination, instead of the quantity purchased during the year, which has been in effect for many years. Bichromate of potash, ranged from 13¼c. to 14¼c. per pound, bags as to quantity, with drums, ⅜c. more. Bichromate of sodium, 9¾c. to 10¾c. per pound, bags, with drums, ⅜c., extra and sodium chromate, 11½c. to 12½c. per pound, drums.

Sulphonated Oils — Business was reported slow. Prices were steady for castor oil, tallow and cod oil.

Sizing Materials

Blood Albumin—While buying interest was restricted, this market was unchanged and steady. Prices of albumin and dried soluble blood were maintained at former levels.

Corn Dextrin — This market continued firm, reflecting the strength of the grain. Business was quiet. Prices of all grades were unchanged and well held at former levels, and were guaranteed against advance to January 15.

Corn Starch—While trading was quiet, the market remained steady. Prices were unchanged and guaranteed against advance up to January 15. Consumers took moderate quantities for immediate needs. Visible corn supply increased 1,673,000 bushels to 48,064,000 bushels for the week ended December 23, compared with 43,524,000 bushels for the same time last year, it was reported by the Chicago Board of Trade.

Egg Albumen—This market was unsettled by the lower egg support price for 1950 at a national average of 37c. per dozen, compared with 45c. during 1949. Trading was quiet and the market merely nominal. Edible flake was quoted at $1.87 to $1.90 per pound, according to quantity. The technical grade also was quiet and nominal at 80c. to 82c. per pound, according to quantity and seller. Commenting on the 1950 egg support program, which will seek to maintain the national average farm price at 37c. per dozen—approximately 75 percent of modernized parity, compared with 45c. per dozen in 1949, which was approximately 90 percent of parity under the previous formula, an official of the Department of Agriculture stated that it is hoped that the 1950 price level will result in the consumption more nearly approaching the anticipated production, and at the same time provide continuing inducement for farmers to convert abundant supplies of feed grains to such nutritious foods as eggs. Egg production in 1950 is expected to be two or three percent higher than in 1949, because of a larger laying flock and a higher rate of production per hen. Demand for eggs for consumption in 1950 is expected to amount to at least 385 eggs per capita, against 374 eggs in 1949 and 397 eggs in 1945. The specific areas in which eggs will be supported, the period of support and the method employed, whether by purchase of dried, frozen or shell eggs will be announced when such programs are needed.

Egg Yolk—Buying interest lacked snap, as is usual at this season. The supply situation has eased and increased offers and light demand created an easier tone. Domestic yolk was quoted nominally at $1.33 to $1.36 per pound, as to seller and quantity. Chinese yolk was inactive and ranged from $1.18 to $1.22 per pound, duty paid for spot delivery.

Potato Starch — Production has increased and the supply situation has definitely improved during the past ten days. Offerings were heavier for January forward delivery. Trading was spotty, chiefly for January requirements. Market was unchanged and steady. Carlots were held at 5c. per pound, works, Maine and 5¼c., Idaho. Stocks on the spot were held at 7¼c. per pound, exwarehouse.

Rice Starch—While demand was quiet, light supplies on the spot were maintained at 12½c. per pound, exwarehouse.

Sago Flour — This market remained steady. Inquiry was more active for early next year delivery. Prices were unchanged an dsteady at 4.90c. per pound, carlots, exdock and 5¼c. for lesser quantities on the spot.

Tapioca Flour—Consuming demand was restricted to the low grade for immediate delivery. High and medium grades commanded less attention. Quotations were fairly steady. High was quoted at 9c. per pound, exwarehouse; medium, 7¾c. to 8c. and low at 6¾c.

Tanning Materials

Chestnut Extract — Market was steady at the recent price decline, for both the liquid and powdered. Liquid 25 percent tannin was quoted at 3.70 per pound, barrels, carlots works, and powdered, 65 percent tannin, 10.40c. per pound, bags, extra, works. Business was quiet.

Cutch — Offerings for shipment were still spasmodic. Inquiry for replacements was fairly active. Prices were unchanged and well held at 7c. per pound, exdock, duty extra.

Mangrove Bark — Prospects were improved for getting African bark for shipment early next year. Reports from Africa stated that supplies were expected to become available shortly after the turn of the year. Arrivals were reported at 7,080 bags at New York last week.

Myrobalans—Buying interest was quiet. Recent arrivals while not heavy appeared to satisfy consumers for the present. Offers for shipment were offered quite freely at former levels.

Quebracho Extract—Conditions in this market were quiet, but steady last week. Tanners interest in replacements has slackened as a result of heavy arrivals of replacements during the past fortnight. Quotations for shipment were without change and well held.

Valonia—Consuming inquiry continued slow. Offers for shipment were fairly liberal. Tanners showed little interest in replacements. Quotations were unchanged and more or less nominal.

Wattle—Recent heavy arrivals of bark and extract replenished inventories and consuming interest lagged last week. Shipment of both materials were quotably unchanged and well held. Imports of bark totaled 2,210 bales and 1,080 bags of extract at Philadelphia and 2,005 bags of extract at New York last week.

For Late Market Developments, See Page 4

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Drugs and Fine Chemicals

Except for a slightly stronger castor bean market which advanced $1 per long ton, and a drop in sulpha quinoxaline, there were no price movements in this market last week. The cocoa butter market was stronger, however, in a rising bean market, and frequently cocoa butter price quotations were withheld until the close of the commodity market day. The index remained unchanged at 254.4.

Ester, ketone, alcoholic, and cyclic solvents maintained a firm price position during the week, and were slated to move into the new year under a price schedule identical with that which has prevailed during the last few weeks, with the lone exception of cyclohexane. Ethyl alcohol prices were expected to hold at current levels for the first quarter, at least.

Last week the glycerin market was slow by virtue of the holiday season and the lack of ordering because of year-end inventories. The overall glycerin picture, however, was one of strong demand against short supplies, a situation which has characterized the market over recent weeks, and which was felt likely to continue well into 1950.

Imports of castor beans in 1949 exceeded those of 1948 by 60,360,900 pounds. Fishliver oil business continued in a slump and vitamin A materials generally were slow. A strong demand kept formaldehyde moving in large volume and producers anticipated a continued good business volume for the months immediately ahead, based on prospective continued good volume operations of the plastics, resin, and adhesive industries.

Menthol remained in the same spot market position it had held for the past month, trading being exceeding slow because buyers tended to hold off any substantial purchasing until after the new crop material becomes available, presumably at lower prices. The antibiotic market so far as bulk materials was concerned was fairly stable after the recent decline in streptomycin. However, in certain distributive channels the penicillin market was reported somewhat chaotic. Supplies of both streptomycin and penicillin of all types were amply available. Sulpha drugs were plentiful.

Acetanilide—Technical material was firmly quoted at 22 cents per pound in carlots, and 23 cents in less than carlot quantities. Small quantities ranged upward varying as to quantity to 26 cents. USP material held steady at 50 cents per pound, but was in extremely limited demand. September production of both USP and technical material stood at 222,315 pounds, while the October output was reported by the Tariff Commission as 273,995 pounds, an increase over September of 51,680 pounds.

Acetone—October output of this solvent was reported by the Tariff Commission as 35,874,280 pounds, compared with a September production figure of 29,449,974. Demand was said to be holding up well and good call was expected to continue for the first quarter of 1950. Supplies were not abundantly in excess of demand, but there was a reasonably good balance between supply and demand. The item was not tight and prompt shipment could be had in most instances.

Acid, Acetylsalicylic—Demand for aspirin was reported as good, and the supply position was felt to be quite adequate to take care of the seasonal business increase. Production in October was 926,661 pounds, compared with a September output of 813,277 pounds. Prices were unchanged and expected to remain that way at least through the next quarter.

Butyl Alcohol—This market remained firm in price with a sustained good demand reported in all quarters. Production in October of the primary alcohol amounted to 10,489,812 pounds, compared with a September production reported by the Tariff Commission of 10,056,763 pounds.

Castor Oil—While the price of castor oil held to former levels last week, castor beans were a bit stronger in trading with actual sales reported at $112 per long ton, up another dollar from the previous week.

Arrivals of castor beans at United States ports last week amounted to 58,557 bags equivalent to 8,783,550 pounds, compared with 118,620 bags or 17,793,000 pounds the previous week, and 23,848 bags or 3,577,200 pounds during the corresponding week of 1948.

Total imports of castor beans during 1949 amounted to 1,908,887 bags equivalent to 286,333,050 pounds, compared with total imports during 1948 of 1,505,846 bags equivalent to 225,972,900 pounds.

Desoxyephedrine — This material was firmly quoted last week at $9 per pound in quantities ranging from five pounds up to 100 pounds. Supplies were reported as adequate to take care of all consuming demand from the pharmaceutical industry.

Digitoxin — In reporting the price decline in this item in our previous issue, we stated accurately that the price had dropped from $15.00 per gram to $9.10. We then reported the price decline as amounting to $6.85 when in fact it was only $5.90 per gram lower than the former quotations.

Ethyl Acetate — The demand for this ester was reported as fair, but somewhat less favorable than the demand for other alkyl esters, relatively speaking. This left most producers somewhat long on supply. Prices were unchanged, and with costs still high, the margin of profit extremely low, the somewhat slower demand was felt unlikely to lead to any lower price schedules. October output of the 85 percent grade was reported by the Tariff Commission as 6,851,776 pounds, slightly higher than the 5,338,851 pounds produced in September.

Ethyl Ether—The price structure on all grades of this item was reported as maintaining a firm position at the year end, with current levels designed to be carried over into the new year. Industrial ethyl ether was in good demand, in line with solvents generally. Anesthesia material maintained its steady level of business volume. Production in October increased to 3,223,246 pounds, compared with an output in September of 2,547,428 pounds.

Ethylene Oxide—There prevailed in the market for this item quotations firmly held at 16¾ cents per pound in tankcars, f.o.b. works, freight allowed in the East. There was no price schedule at 15¾ cents per pound on a straight f.o.b. works basis as previously reported.

Ethyleneglycol—Demand for this item continued at a high level and production was promptly moving into buyers' hands. Prices were unchanged from former levels. October production amounted to 31,591,361 pounds, compared with 33,367,441 pounds turned out in September.

Fishliver Oils—This market remained in the drastic slump which had hit it in early Fall. Prices which had fell to virtual rock bottom remained there, and the price of concentrates and synthetic vitamin A materials were unchanged.

One plant which processes vitamin A concentrate from shark livers in Guadalajara, Mexico, was shut down in September because it was unable to obtain sufficient supplies of livers at the low price it was forced to pay. Competition of cheap shark livers from the Far East and the Indian Ocean areas was blamed in part for the situation. Vitamin A concentrate had been the chief export to the United States from this consular district so far in 1949. The plant is owned by an American firm. The value of these exports during the first eight months of 1949 amounted to 3,258,054 pesos, compared with exports in 1948 valued at 3,173,648 pesos for the entire year.

During the first seven months of 1949 Equador's exports of shark livers to the United States were valued at $6,528, compared with $1,610 during the corresponding period of 1948. During a comparable period, exports of shark livers from Cascarilla were valued at $6,043, compared with $8,858 in the comparable period of 1948.

As a result of the termination of purchases of vitamin oils by the British Ministry of Food from the Union of South Africa, stocks were reported as accumulating at Cape Town. For the past three years the British Ministry of Food had bought an estimated amount of vitamin oils valued in British pounds between

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Castor beans, $1 per long ton.

Prices Reduced

Sulphanilamidoquinoxaline, $3 per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
254.4	254.4	255.1	258.5

(*For Current Prices see Page 9*)

500,000 and 750,000 worth. Accordingly, an effort was being made to sell the oil to private buyers in the United Kingdom.

Formaldehyde—The strong demand for formaldehyde which began in the early Fall and has steadily increased ever since made business volume in this item very good. The production capacity of the country, however, was considered to be appreciably in excess of any peak demand which we are likely to attain in the near future. Consequently, there was an overall abundant supply situation. However, certain producers were in the position of being able to sell more than they could produce. This did not reflect a tight market in any section of the country, but was a local condition of individual producers. Plenty of formaldehyde could be gotten by anyone who wanted it, if not promptly from one producer, then certainly from another.

Prices were unchanged from the levels and delivery schedules established a year ago. The plastics, resin, and adhesive industries continued to operate at high levels and were expected to continue to do so in the immediate future, which argued well for a continued good business in formaldehyde, and in methanol from which most formaldehyde is made.

On a 37 percent weight basis, production of formaldehyde shot up to 60,253,027 pounds in October, compared to 45,214,925 pounds in September, according to a release of the Tariff Commission.

Glycerin — The glycerin market last week was slow under the inhibitive influence of the holiday season, but this was of course only a temporary situation certain to snap back into heavy volume business after the first of the new year. The overall market position of glycerin was still one of tight supplies. While the supply position was not critical, it was very definitely short, causing shipping delays. Prices were firm and expected to remain unchanged at least for the first quarter. Meanwhile, there was no hope in the months immediately ahead of any easing in the supply situation.

Demand was strong, and likely to hold up to current levels at least until the Summer. In view of a prospective sustained strong demand, coupled with the curtailed output of natural glycerin by virtue of the heavy cutting of synthetic detergents into the soap market, a scarcity of glycerin over the immediate future was expected to characterize the market. The situation would be significantly worse, however, were it not for the full scale plant operations of the synthetic glycerin industry. In September Argentina sold 300 metric tons of glycerin to the United States, the first such sales since the war.

Lecithin—Edible material continued in its firm market position which has been characteristic of this item over recent months. In non-returnable drums the price in carlot quantities stood firmly at 16 cents per pound, and in less carlot drum quantities at 18½ cents. A strong demand from most quarters, and from the chocolate candy industry in particular, had been noted over recent months.

Menthol—Prices continued to hold in the range of $10.65 to $10.70 per pound on the spot market, with trading reported as extremely inactive. Prospects for business when new crop material becomes available were said to be good, but the feeling was expressed in certain quarters that prices in both Brazilian and Chinese material would like decline slightly at that time.

Imports of menthol into the United Kingdom in the first half of 1949 amounted to 47,489 pounds, compared with 59,285 pounds during the corresponding period of 1948, and 44,659 pounds during the first six months of 1947.

Methanol—Methanol prices were reported as steady, and demand was maintaining what could be called a good level, with supplies plentiful. Production of synthetic methanol in October was reported by the Tariff Commission as 73,988,881 pounds, compared with a September output of 61,911,135 pounds. Natural methanol produced in October amounted to 1,098,322 pounds, while September output was 966,432 pounds.

Milk Powder—The skimmed milk powder market was unchanged, with stocks still in excess of demand by a considerable margin, and trading confined mostly to immediate needs. Prices were unchanged.

Support prices were announced by the Department of Agriculture for the period of January 1, 1950, to March 31, 1951, in which extra grade spray process skimmed milk powder would be supported at 12½ cents per pound, and roller process material at 10½ cents per pound.

Purchases of skimmed milk by CCC during the period of Dec. 16 to 22 inclusive amounted to 4,232,922 pounds of spray process material and 1,774,419 pounds of roller process skimmed milk powder. This

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brought total government skimmed milk powder purchases so far this year to 427,023,503 pounds, compared with purchases during the corresponding period of last year amounting to 138,480,485 pounds.

The Guatemalan department of public health ruled that as of December 4, 1949, all powdered milk must be registered, accompanied by a certificate containing the name of the manufacturer, the product, and a statement that it is sold and consumed without restriction in the country of its origin.

Penicillin—Production and sale of the various penicillin salts remained on a relatively even keel. October output was reported by the Tariff Commission as 11,647,698 million Oxford units, compared with a September production of 11,403,358 million Oxford units. Prices held steadily to former levels.

Quinine — Quinine salts were firm at price levels established soon after currency devaluation, and no further change was expected to develop in the market in the immediate future. Meanwhile, demand was reported as moderate and was perhaps slightly under levels expected for this time of year, due in part to mild weather conditions.

A report from Equador stated that Cinchona was declining in importance as an export because of the competitive influence of better drugs, and also due to the fact that the Equadoran product gathered from the jungles is in a native state and of low quality. From January through May only one shipment was made. This amounted to 111,628 kilograms valued at 120,558 sucres. The shipment went to France.

Streptomycin—The price of this item settled down to levels established the previous weeks, and the market was expected to be steady well into the new year. Production in October was reported by the Tariff Commission as 8,332,479 grams, compared with a September output of 6,824,455 grams. Demand was sustained at a very high level domestically, and all necessary requirements were reported as being met, with ample quantities left over for export. The export market was said to likely show a decline in the future as more and more material was being manufactured in foreign countries, with and without the help of American producers. A Netherlands firm, in conjunction with an American firm, is entering the field of streptomycin manufacture. In the past this item consumed in Holland had to be imported.

Sulpha Drugs — There was a good demand reported for sulpha drugs which maintained a firm price structure, unchanged from levels which prevailed over recent months. October production was reported by the Tariff Commission as totaling 932,352 pounds, compared with a September output of 259,119 pounds.

Sulphanilamidoquinoxaline — This veterinary sulpha drug was again reduced in price, this time by $3 per pound. The material, as a result of increased demand and subsequent production economies, is now listed at less than half the price at which it was quoted when the product was introduced on the market several months ago.

Lambert, Pro-phy-lac-tic Merge Sales Operations

Amalgamation of sales operations of Lambert Pharmacal Company and Pro-phy-lac-tic Brush Company, which formerly had its own sales forces, has been announced. Under the new set-up, Stanwood A. Morrill, former Lambert vice-president in charge of sales, will become director of marketing and advertising. Frank Camp, previously vice-president in charge of sales at Pro Brush, will become director of sales of the new organization.

Trade Briefs

Winthrop-Stearns, Inc., New York, has commenced marketing a piston valve inhaler for inhalation therapy with micronized crystalline penicillin G.

Bayer Company Division, Sterling Drug, Inc., will soon begin distribution of 10,000 "Bayer" aspirin merchandisers, which are self-service units which display all four sizes of the product.

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Squibb Names Zimmerman Hospital Sales Manager

D. R. Zimmerman has been appointed manager of the hospital and institutional sales department of E. R. Squibb & Sons, New York. He joined Squibb in 1938 and served successively as a full line salesman and a professional service representative in the San Francisco sales division until 1947 when he was promoted to professional service manager in the San Francisco division. In his new position, Mr. Zimmerman will be responsible for coordinating and supervising all of Squibb's sales to public health departments, the Veterans Administration and all hospitals and other institutions in the country.

Holiday Mementoes Received

With grateful appreciation to its friends, OPD hereby acknowledges the receipt of holiday greetings and expressions of goodwill from:—

Abbott Laboratories Chemical Sales Staff, North Chicago, Ill.
American British Chemical Supplies, Inc., New York.
American Potash Institute, Washington.
Apothecaries Hall Company, Waterbury, Conn.
A. Arend Drug Company, Chicago.
Benjamin Electric Engineering Works, New York.
Black, Sivalist & Bryson, Inc., Kansas City, Mo.
Calcium Chloride Association, New York.
Celanese Corporation of America, New York.
Chemical and Fertilizer Sales Department, Consolidated Mining & Smelting Company of Canada, Trail, B. C.
Dow Chemical Company, Midland, Mich.
Faesy & Besthoff, Inc., New York.
Githens-Sohl Corporation, New York.
R. W. Greeff & Co., New York.
Hesselmann, Seaman, de Ryss, Inc., New York.
Hoffmann-La Roche, Inc., Nutley, N. J.
Jefferson Chemical Company, New York.
Dr. F. Jonas Company, New York.
Kay Fries Chemicals, Inc., New York.
Lanatex Products, Inc., Elizabeth, N. J.
Lion Oil Company Chemical Sales Division, El Dorado, Ark.
Mallinckrodt Chemical Works, St. Louis.
Monsanto Chemical Company, St. Louis.
National Paint, Varnish and Lacquer Association Staff, Washington.
National Paper Box Manufacturers Association, Philadelphia.
Oldbury Electro-Chemical Company, New York.
Oronite Chemical Company, San Francisco.
Parke, Davis & Co., Detroit.
Phillips Chemical Company Fertilizer Sales Division Bartlesville, Okla.
Rutherford Machinery Company, Long Island City, N. Y.
Sheffield Farms Company Chemurgic Division, New York.
Sosa Texcoco, S.A., Mexico City, Mexico.
Sterwin Chemicals, Inc., New York.
Trade Bindery, New York.
Truesdail Laboratories, Inc., Los Angeles.
Van Diver & Crowe, Inc., New York.
Westinghouse Technical Press Service, Pittsburgh.
Zophar Mills, Inc., Brooklyn, N. Y.

Guatemala, Honduras Industry Described in Two New Reports

The Tariff Commission has just issued two additional reports in its series covering the economies of the Latin American countries. Copies of these reports may be purchased from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., at the prices indicated below:—

"Mining and Manufacturing Industries in Guatemala," 15 cents, and Mining and Manufacturing Industries in Honduras," 15 cents. In addition to discussions of the general characteristics of Guatemalan and Honduran mining and manufacuring industries, the reports discuss the basic factors affecting their development, such as raw materials, machinery, fuel, and power, labor, capital, transportation, markets, and national economic policy.

Smith, Kline & French Adopts New Health Insurance Program

Smith, Kline & French Laboratories, Philadelphia, has adopted a new medical insurance plant for its employees. A feature of the new plan is that it will help employees pay not only their own doctor bills for general medical care, but also those of their wives or husbands and children. Besides adding this section, the new plan increases surgical benefits and adopts a new Blue Cross plan of greatly expanded hospitalization benefits.

Sharp & Dohme Awards Grants

Sharp & Dohme, Inc., Philadelphia, has awarded a $1,500 grant to the University of Illinois College of Pharmacy for the purpose of establishing a research investigation of the method of controlling drugs in hospitals. It is hoped that the study may result in a more economical delivery of drugs to the patient.

The company has also awarded research grants to Dr. Samuel L. Meyer and Prof. Lowell F. Bailey, department of botany, University of Tennessee, and to Dr. H. Brieger, Jefferson Medical College, Philadelphia. The awards to Dr. Meyer and Prof. Bailey will support investigational studies on antiseptics which they are conducting at Tennessee. Dr. Brieger's will enable him to conduct clinical studies on tetraethylthiuram disulphide.

Noyes Named ACS Editor

Dr. W. Albert Noyes, jr., chairman of the department of chemistry in the University of Rochester, has become editor of the *Journal of the American Chemical Society*. He succeeds Dr. Arthur B. Lamb of Harvard University, who is retiring from the editorial post after thirty-one years' service. Dr. Lamb will cotninue to serve as consulting editor, but the editorial headquarters will be moved from Harvard to the University of Rochester.

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*Ishmael, Heilbaum, et al., Jour. Okla. State Med. Assoc. Vol. 42, No. 10, October 1949
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U.S. Revenue Returns Decreased in November

Collections of internal revenue in the United States during November totaled $2,789,233,668.74, as compared with $3,045,114,866.96 in the corresponding month of last year, according to the Bureau of Internal Revenue of the Treasury Department. Among the collections reported by the bureau were the following:—

	November 1949	November 1948
Coconut and other vegetable oils processed	$2,900,990.31	$768,719.87
Distilled spirits, domestic, excise tax	148,262,376.07	158,210,469.51
Distilled spirits, imported, excise tax	14,297,306.06	13,947,810.40
Gasoline	43,363,240.02	42,516,033.47
Lubricating oils	6,262,734.24	6,361,249.34
Matches	886,547.82	748,283.09
Narcotics, including marihuana and special taxes	42,130.86	46,510.13
Oleomargarin, including special taxes	2,360,349.63	1,223,073.30
Silver bullion sales or transfers, stamp tax	7,651.44	40,350.38
Sugar	6,683,891.58	5,352,193.85
Toilet preparations, excise tax	7,738,778.85	6,872,541.20
Transportation of oil by pipeline	1,773,748.87	1,339,217.72

Monsanto Assigns Sibley And Ogden to New Posts

The appointment of Dr. R. L. Sibley to the new position of special assistant to the general manager of the organic chemicals division has been announced by Monsanto Chemical Company. At the same time, the company announced that F. Faxon Ogden, sales development manager for the Merrimac division in Everett, Mass., has joined the development department in St. Louis.

Dr. Sibley, who since 1943 has been general manager of the company's rubber service department at Nitro, Va., will remain in Nitro to devote full time to the field of product development and to the growth of the rubber service department. He has been with the company since 1926 and in 1929 was named research director. He held this post until 1943.

Mr. Ogden joined the company in 1935 as a research chemist. He later served as assistant in the Merrimac's division technical service department; assistant branch manager of the New York sales office, and manager of chemical sales development.

Huisking Celebrates

—Continued from page 5

president, respectively; Peter A. Dirr as vice-president, and William J. Dawson as treasurer.

Chas. L. Huisking Ltd. was established in London in 1920 to carry on general drug and chemical business throughout Europe, and in 1924 was combined with the established firm of Henry Wheeler & Son as Wheeler & Huisking Ltd., under which name it does business today.

As a leading importer of codliver oil, the American company in 1927 obtained exclusive rights for the sale in this country of "Peder Devold Cod Liver Oil," produced at Aalesund, Norway. Subsequently, the Peder Devold Oil Company was established and was made a division of the Huisking organization in 1946. In recognition of his efforts in the development of Norwegian codliver oil, Mr. Huisking was awarded knighthood in the "Order of Saint Olav" by the King of Norway in 1935.

In 1918 the Huisking company became one of the three distributors of Italian "Conti" castile soap, and in 1924 the Conti Products Corporation was organized in New York, with Mr. Huisking as president. The firm's activities also included establishing production of American santonin, of which it remains the sole producer, and large volume distribution of both natural and synthetic menthol.

The firm moved to new offices at 155 Varick street in 1931, and in 1935 a branch office was opened in Chicago by George P. Huisking, who died the following year and was succeeded by R. H. Roane, its current manager. During the latter part of 1948, Chas. L. Huisking & Co. acquired a substantial interest in Robinson Brothers Chemicals, Inc.

Charles L. Huisking remains as president of the organization, a son, William W., is vice-president, and another son, Richard V., is secretary. Peter A. Dirr continues active as vice-president, and William J. Dawson has retired.

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Bowman Gets ODC Post

Dean O. Bowman, formerly chief of the Department of Commerce mobilization staff of the Office of Industry Cooperation, has been appointed assistant director of the Office of Domestic Commerce. Mr. Bowman will be responsible for the development of the industry and the commodity program of the Office of Domestic Commerce, and in that capacity will direct the work of ten industry divisions.

Gane & Ingram Issues Catalog

Gane & Ingram, Inc., manufacturing chemist, New York, has published a new catalog and price list, which includes several previously unlisted items. Among them are paraaminosalicylic acid, paraaminobenzoic acid, calcium succinate and 8-chlortheophylline. Copies may be obtained from the company at 43 West Sixteenth street, New York.

Reynolds Forms Container Dept.

The foil division of the Reynolds Metals Company, Louisville, Ky., has organized a new container department, headed by George Du Charme, formerly can industry manager for the company. Mr. Du Charme's title is product sales manager of the container department, and Andrew S. Hartanov has been named assistant product manager, and will continue to handle the "Reynolds Pak" program.

Monsanto Advances Two

Monsanto Chemical Company, St. Louis, Mo., has appointed C. F. Trombley general branch manager of the San Francisco office of its western division, and has named A. W. Hempelmann to succeed Mr. Trombley as branch manager at Seattle. Both men have been associated with the company since 1935.

Crescent Names Turnoff Agent

Crescent Laboratories, Inc., Trenton, N. J., has appointed Sol Turnoff, president of Drug Distributors, Inc., Philadelphia, sole and exclusive representative to distribute and sell all products manufactured by Crescent Laboratories in the Philadelphia and surrounding areas.

Residue Tolerances

—*Continued from page 3*

pany, four days; F. J. Rarig, Rohm & Haas Company, ten days; G. C. Alexander, Geigy Company, Inc., insecticide division, twenty days; E. I. du Pont de Nemours & Co., no time given; A. A. Nikitin, director of agricultural research, Tennessee Corporation, no time given, and J. B. Moore of McLaughlin, Gormley King Company, no time given.

Hearing Notice Clarified

A clarification of the notice of the hearing was published in the *Federal Register* last week as follows:—

"For the purpose of this hearing the term 'commercial production' will be interpreted to mean production up to the time of harvest. It is not the purpose of the agency to receive evidence at this hearing relating to poisonous or deleterious substances used after harvest unless the same substances are used before harvest or unless these substances affect the safety of or the tolerance of consumers for other substances used before harvest."

Trade Briefs

A. G. Anderson, general traffic manager of Socony-Vacuum Oil Company, has been elected vice-president of the National Industrial Traffic League for a two year term.

Edward McCaffrey, manager of the metropolitan 'B' division of Winthrop-Stearns, Inc., New York, was recently presented with an award in recognition of the highest record in vitamin sales for three successive years.

Penicillin and penicillin products may be imported into Iran only when such importation has been specifically authorized in advance by the issuance of a prior import permit, according to a report from the American Embassy in Tehran. The Embassy warned that Iranian importers sometimes place orders without obtaining such a permit, and, if filled, the shipper may have to take back the goods.

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4 dms, Ciba Co, America, Havre
16 dms, Carbic Color & Chemical Co, America, Havre
18 dms, Gondrand Bros, America, Havre
ANTIMONY ORE—375 bgs, Associated Metals & Minerals Corp, Santa Luisa, Arica
1,586 bgs, Charles Tennant & Sons, Santa Luisa, Antofagasta
ARABIC GUM—500 bgs, John Holt Co, African Patriot, Lagos
ARSENIC SULPHIDE — 1 dm, Leecol Products Corp, American Importer, London
ASBESTOS FIBER—13,136 bgs, Huxley Westfried Corp, Molda, Leningrad
ASCORBIC ACID—2 cs, Biddle & Sawyer Corp, Herdis, Antwerp
1 kg, Biddle & Sawyer Corp, Herdis, Antwerp
ASPHALT—482 bbls, Barber Oil Co, C G Thulin, Port of Spain
BABASSU KERNELS—9,000 bgs, General Foods Corp, Denis, Maranhao
3,333 bgs, General Foods Corp, Mormactern, Parnahyba
1,666 bgs, General Foods Corp, Mormactern, Sao Luiz Do Maranao
BARBASCO ROOT—2,274 bgs, Astoria Pan-Americana Inc, Denis, Iquitos
BASIL LEAVES—50 bgs, J H Bauminger Co, Khedive Ismail, Genoa
BAUXITE ORE—2,851 tons, Alcoa Mining Co, C G Thulin, Paramaribo
BAY OIL—1 dm, Lautier Fils, C G Thulin, Roseau
1 dm, Florasynth Labs, C G Thulin, Roseau
2 dms, Polaks Frutal Works, C G Thulin, Roseau
BEEF GLANDS—12 cs, Eli Lilly & Co, Agwiking, Havana
BEESWAX—5 tons, Will & Baumer Candle Co, Khedive Ismail, Alexandria
98 bgs, E A Bromund Co, Santa Rita, San Antonio
24 bgs, H H Pike & Co, Agwiking, Havana
10 bgs, Poons & Co, Puerto Rico, Ciudad Trujillo
18 bgs, Schutte & Focke Co, Puerto Rico, Ciudad Trujillo
101 bgs, Herdis, Rotterdam
112 bgs, Leena Dan, Talcahuano
193 bgs, F H Paul & Stein Bros, Inc, African Patriot, Pointe Noire
40 pkgs, African Patriot, Lagos
BENZOIN GUM—18 cs, Tragacanth Importing Co, President Polk, Singapore
9 bdls, R J Prentiss & Co, President Polk, Singapore
BERGAMOT OIL—120 cs, Centflor Mfg Co, Herdis, Rotterdam
BERYL ORE—2,000 bgs, South American Minerals & Merchandise Corp, Mormactern, Cabadello
1,500 bgs, Western Hemisphere Raw Materials Corp, Mormactern, Cabadello
BISMUTH—65 cs, Cerro De Pasco Copper Corp, Sante Luisa, Callao
TETRABROMPYROCATECHOL—2 cks, American Roland Corp, Erria, Copenhagen
BONES—84 bgs, International Packers Commercial Co, Alpherat, Buenos Aires
BRUCINE SULPHATE—6 cs, Sterling Drug Co, American Importer, London
BUTTONLAC—50 bgs, Colony Import & Export Corp, Maidan, Calcutta
CALCIUM SULPHIDE—7 dms, Mallinckrodt Chemical Works, Golden City, Bremen
CAMPHOR OIL—100 dms, Dodge & Olcott Inc, Borgholt, Hong Kong
CANDELILLA WAX—320 bgs, M Argueso, Agwiprincess, Tampico
CARAWAYSEED—100 bgs, Charles T Wilson Co, Golden City, Rotterdam
CARDAMOM—27 cs, S B Penick & Co, President Polk, Cochin
CARNAUBA WAX—50 bgs, Wessel, Duval & Co, Denis, Fortaleza
228 bgs, Innis, Speiden & Co, Denis, Fortaleza
222 bgs, Natural Products Corp, Denis, Fortaleza
210 bgs, Cornelius Products Co, Denis, Fortaleza
22 bgs, F W Steadman Co, Denis, Fortaleza
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56 bgs, Smith & Nichols Co, Mormactern, Fortaleza
66 bgs, F W Steadman Co, Mormactern, Fortaleza
198 bgs, Innis, Speiden & Co, Mormactern, Fortaleza
11 bgs, Strohmeyer & Arpe, Mormactern, Fortaleza
156 bgs, W R Grace & Co, Mormactern, Fortaleza
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125 bgs, Strahl & Pitsch, Mormactern, Parnahyba
89 bgs, Wessel, Duval & Co, Mormactern, Fortaleza
167 bgs, Stein, Hall & Co, Mormactern, Fortaleza
144 bgs, Innis, Speiden & Co, Mormactern, Fortaleza
167 bgs, F B Ross & Co, Mormactern, Fortaleza
56 bgs, Smith & Nichols, Mormactern, Fortaleza
CASEIN — 250 bgs, American British Chemical Supplies Corp, American Flyer, Havre
CASHEW NUT OIL—596,109 lbs, Irvington Varnish & Insulator Co, President Polk, Cochin
CASSIA—700 bls, K H Landes Co, Borgholt, Hong Kong
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CASTORBEANS—11,853 bgs, Baker Castor Oil Co, Mormactern, Cabadello
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17,850 bgs, Baker Castor Oil Co, Mormactern, Recife
1,693 bgs, Spencer Kellogg & Sons Co, Mormactern, Maceio
1,725 bgs, Spencer Kellogg & Sons Co, Denis, Fortaleza
6,572 bgs, Baker Castor Oil Co, Denis, Fortaleza
CASTORBEANS—1,693 bgs, Chase National Bank, Denis, Parnahyba
1,610 bgs, Baker Castor Oil Co, Denis, Fortaleza
3,400 bgs, Baker Castor Oil Co, Denis, Parnambuco
5,100 bgs, Guaranty Trust Co, Denis, Pernambuco
1,355 bgs, Guaranty Trust Co, Denis, Natal
388 bgs, Spencer Kellogg & Sons Co, Isaiah, Port Au Prince
1,261 bgs, Baker Castor Oil Co, Leena Dan, Bahia
841 bgs, Baker Castor Oil Co, Mormactern, Parnahyba
CASTOR OIL—170 tons, Mormactern, Fortaleza
242 tons, Arnold L Friemel Co, Mormactern, Recife
1 tin, Alianza Corp, Putumayo, Iquitos
630 tons, Bunge Corp, Denis, Parnambuco
CELERYSEED—172 bgs, Becker Mayer Seed Co, President Polk, Bombay
170 bgs, M J Golombeck, President Polk, Bombay
CINNAMON QUILLS—150 bls, C M Van Sillevoldt Co, Hopeville, Colombo
600 bls, Otto Gerdau Co, Hopeville, Colombo
CLOVES—200 bls, Chase National Bank, Robin Gray, Zanzibar
300 bls, Irving Trust Co, Robin Gray, Zanzibar
200 bls, Bank of Manhattan Co, Robin Gray, Zanzibar
80 bls, Joensson & Cross Co, Robin Gray, Zanzibar
1,780 bls, Manufacturers Trust Co, Robin Gray, Zanzibar
2,260 bls, Robin Gray, Zanzibar
COALTAR PITCH—100 bgs, C A Redden Co, Parthia, Liverpool
COCOA RESIDUE—666 bgs, Woodward & Dickerson Co, American Importer, London
COD LIVERS—59 dms, Silmo Chemical Corp, North Star, St Johns
1 trcs, Silmo Chemical Corp, North Coaster, St Johns
OIL—100 dms, Atlas Refinery, Inc, North Coaster, St Johns
200 dms, Nopco Chemical Corp, North Coaster, St Johns
100 dms, Scandinavian Oil Co, North Coaster, St Johns
100 dms, Ottol Oil Co, North Coaster, St Johns
180 dms, Danca Import Export Corp, Uruguay, Copenhagen
COPAL GUM—200 bgs, S Winterbourne & Co, Parthia, Liverpool
84 bgs, S Winterbourne & Co, President Polk, Singapore
245 bgs, S Winterbourne & Co, Borgholt, Manila
340 bgs, O G Innes Corp, African Patriot, Matadi
COPPER CONCENTRATES—313 tons, Phelps Dodge Refining Corp, Leena Dan, Valparaiso
COPRA—750 tons, Borgholt, Cebu
CORIANDER OIL—17 cs, Flora Essential Oil Co, Molda, Leningrad
COTTON LINTERS—95 bls, Riverside Mills, Mormactern, Cabadello
1,075 bls, Cecil Kutz Co, Molda, Leningrad
5,577 bls, Kauders Steuber, Molda, Leningrad
31[illegible] National City Bank, Alpherat, Buenos Aires
CRESYLIC ACID—80 dms, Guaranty Trust Co, Welsh Prince, Liverpool
100 dms, Celanese Corp, Welsh Prince, Glasgow
100 dms, Parthia, Liverpool
200 dms, Guaranty Trust Co, Parthia, Liverpool
91 bbls, Chematar, Inc, Brynje, Rotterdam
CUBE ROOT—177 bls, Morris Hess Co, Santa Luisa, Callao
DAMMAR GUM—700 bgs, O G Innes Corp, President Polk, Singapore
334 bgs, S Winterbourne & Co, President Polk, Singapore
25 cs, S Winterbourne & Co, President Polk, Singapore
DEGRAS—10 dms, Phoenix Oil Products Corp, Marengo, Hull
DESOXYCHOLIC ACID—1 cs, S B Penick & Co, Welsh Prince, Liverpool
DEXTRIN—150 bgs, Stein, Hall & Co, Noordam, Rotterdam
330 bgs, Bank of Manhattan Co, Noordam, Rotterdam
DOGWOOD BARK—80 bgs, Peek & Velsor, Inc, Cape Cumberland, Kingston
DRUGS, CRUDE—100 bls, S B Penick & Co, Khedive Ismail, Alexandria
EARTH COLORS, DRY—74 cks, Reichard-Coulston, American Flyer, Havre
ELEMI GUM—13 cs, S Winterbourne & Co, Borgholt, Manila
ESPARTO WAX—16 bgs, Innis, Speiden & Co, Welsh Prince, Glasgow
ESSENTIAL OIL—1 cs, Dodge & Olcott, Inc, American Flyer, Havre
4 cs, S B Penick & Co, Molda, Leningrad
10 dms, First National Bank of Chicago, American Importer, London
24 dms, Norda Essential Oil & Chemical Co, President Polk, Marseilles
EUCALYPTUS OIL—15 dms, Norda Essential Oil & Chemical Co, San Miguel, Lisbon
FENNELSEED—200 bgs, Becker Mayer Seed Co, President Polk, Bombay
200 bgs, Norwalk Mills, President Polk, Bombay
100 bgs, S B Penick & Co, President Polk, Bombay
FERRO TITANIUM—112 dms, Parthia, Liverpool
TUNGSTEN—112 dms, Chase National Bank, Parthia, Liverpool
VANADIUM—11 dms, Parthia, Liverpool
FISHMEAL—1,064 bgs, Woodward & Dickerson Co, Brynje, Antwerp
870 bgs, Leena Dan, Chimbote
FUEL OIL—105,137 bbls, New England Petroleum Corp, Petros, Punta
90,000 bbls, Esso Standard Oil Co, Esso Bolivar, Aruba
101,000 bbls, Esso Standard Oil Co, Esso Raleigh, Aruba
84,000 bbls, Esso Export Corp, Omires, Aruba
102,000 bbls, Esso Standard Oil Co, Champoeg, Aruba
101,000 bbls, Esso Export Corp, Esso Hartford, Aruba
104,986 bbls, Paragon Oil Corp, Mermaid, Curacao
102,000 bbls, Esso Standard Oil Co, Champoeg, Aruba
15,921 tons, Shell Oil Co, Ampac Washington, Curacao
106,890 bbls, Esso Standard Oil Co, Spirit of Liberty, Caripito
96,796 bbls, Hess, Inc, Thelma IV, Punta
41,914 bbls, Paragon Oil Corp, Ambronia, Curacao
101,000 bbls, Esso Standard Oil Co, Esso Bethlehem, Aruba
100,689 bbls, Hess, Inc, Thallepus, Aruba
84,000 bbls, Esso Standard Oil Co, Calliroy, Aruba
10,000 bbls, Asiatic Petroleum Corp, Santa Rosa, Curacao
FULLERS EARTH—1,206 bgs, L A Salomon & Bros Co, American Importer, London
GAMBOGE GUM—6 cs, William E Martin Co, President Polk, Singapore
GARNETLAC—100 bgs, Suhr & Budelman Co, Maidan, Calcutta
GELATIN—25 bls, Coignet Chemical Co, American Flyer, Havre
GLUE—930 bgs, Parthia, Liverpool
GLYCERIN—407 bbls, Chematar, Inc, Uruguay, Gdynia
SAPONIFICATION—32 dms, C J Schellings & Co, Erria, Copenhagen
GOLD CONCENTRATES—197 bgs, Philipp Bros Corp, Santa Luisa, Callao
GRAPHITE—250 bgs, Asbury Graphite Mills, President Polk, Colombo
500 bgs, Charles Pettinos Co, Hopeville, Colombo
GUM DUST—1 bg, John Holt Co, African Patriot, Lagos
GYPSUM—200 bgs, Hammill & Gillespie Co, Parthia, Liverpool
900 bgs, Charles B Chrystal Co, Parthia, Liverpool
9,900 tons, U S Gypsum Co, Gypsum Prince, Hantsport
HELIOGEN BLUE—1 dm, I R Boody & Co, Noordam, Rotterdam
HENBANE—82 bls, Inland Alkaloid Co, Khedive Ismail, Alexandria
HOREHOUND, WHITE—152 bls, S B Penick & Co, President Polk, Marseilles
IRISH MOSS—40 bls, R J Prentiss & Co, De Grasse, Havre
JABORANDI LEAVES—44 bls, Inland Alkaloid Co, Mormactern, Parnahyba
KARAYA GUM—616 bgs, Jacques Wolf & Co, President Polk, Bombay
67 bgs, Paul A Dunkel, President Polk, Bombay
154 bgs, Wm M Allison & Co, President Polk, Bombay
123 bgs, Block Drug Co, President Polk, Bombay
268 bgs, Stein, Hall & Co, President Polk, Bombay
LAUREL LEAVES—50 bls, Levy & Lewis Co, San Miguel, Oporto
LAVENDER OIL—3 dms, Yardley & Co, American Importer, London
LEMONGRASS OIL—1 dm, George Lueders & Co, Cape Cumberland, Cristobal
1 dm, Dodge & Olcott, Inc, Cape Cumberland, Cristobal
LEVOGEN, COLORS — 1 dm, Overseas Corp, Herdis, Rotterdam
LICORICE ROOT—3,462 bls, MacAndrews & Forbes, Molda, Leningrad
LIME JUICE—6 bbls, Citrus & Allied Essential Oil Co, Triton, Puerto Plata
18 cks, Barclays Bank, C G Thulin, Roseau
OIL—1 dm, Citrus & Allied Essential Oil Co, Triton, Puerto Plata
3 cs, Fritzsche Bros, C G Thulin, St George
6 cs, Blue Seal Extract Co, S G Thulin, Roseau
LIQUIDAMBAR—4 dms, David Klapisch, Cape Cumberland, Cristobal
LOGWOOD EXTRACT—60 cks, American Dyewood Co, Cape Cumberland, Kingston
LOCUST BEAN GUM—80 bgs, Central Hanover Bank & Trust Co, Welsh Prince, Liverpool
300 bgs, Washington, Hamburg
200 bgs, America, Havre
MALT—1,600 bgs, Grace National Bank, American Judge, Rotterdam
MANGROVE BARK—772 bgs, Irving Trust Co, Rio Guayas, Bahia
240 bgs, Pablo Calvet Co, Rio Guayas, Bahia
6,075 bgs, First National Bank of Boston, Robin Gray, Kilwait
MEDICINAL HERBS—6 bls, J W Lyon, President Polk, Leghorn
MENTHOL CRYSTALS—7 cs, Charles L Huisking & Co, Borgholt, Taku Bar
5 cs, Geismar & Co, Borgholt, Taku Bar
MICA—6 cs, Whittaker, Clark & Daniels, Maidan, Calcutta
302 cs, United Mineral & Chemical Corp, Maidan, Calcutta
255 cs, Asheville Schoonmaker Mica Co, Maidan, Calcutta
185 cs, Cornelius & Suhr Co, Maidan, Calcutta
315 cs, Otto Gerdau Co, Maidan, Calcutta
29 cs, Cornelius & Suhr Co, Maidan, Calcutta
5 cs, Gallagher & Ascher Co, Maidan, Calcutta
212 cs, United Mineral & Chemical Corp, Maidan, Calcutta
4 cs, Whittaker, Clark & Daniels, Maidan, Calcutta
1,339 cs, Asheville, Schoonmaker Mica Corp, Maidan, Calcutta
59 cs, Brown Bros Harriman Co, American Importer, London
110 cs, Otto Gerdau Co, American Importer, London
88 cs, Sigbert Loeb Co, American Importer, London
78 cs, Cornelius & Suhr Co, Maidan, Calcutta
MOLASSES—2,015,102 gals, Instituto Cubano de Estab Elizabeth H, Pastelillo
MOLLE SEED—100 bgs, Poons & Co, Leena Dan, Guayaquil
MUCILIN OIL—1 cs, American Express Co, Parthia, Liverpool
MURUMURU OIL—1,573 dms, Glidden Co, Denis, Para
MUSTARD SEED—54 bgs, Banco De Chile, Santa Luisa, Valparaiso
NAPHTHALENE—504 bgs, Chase National Bank, Brynje, Hamburg
500 bgs, American British Chemical Supplies, Inc, Brynje, Antwerp
3,000 bgs, Guaranty Trust Co, Uruguay, Gdynia
2,942 bgs, Associated Metals & Minerals Corp, Uruguay, Gdynia
NIGERSEED—134 bgs, Wagner Bros Feed Corp, President Polk, Bombay
OIL—20 dms, American Judge, Antwerp
ORANGE OIL—40 cs, Ungerer & Co, Cape Cumberland, Kingston
1 dm, Citrus & Allied Essential Oil Co, Triton, Puerto Plata
PALMAROSA OIL—2 dms, Dodge & Olcott, Inc, President Polk, Bombay
PAPAIN—91 cs, American Ferment & Co, Hopeville, Colombo
PARAFFIN WAX—6 bgs, Leena Dan, Mollendo
PEATMOSS—2,300 bls, Premier Peatmoss Corp, Brynje, Bremen
1,300 bls, Premier Peatmoss Corp, Selma Thorden, Gothenburg
2,625 bls, American Importer, Bremen
390 bls, C Gaatmeyer, Noordam, Rotterdam
15 bls, Premier Peatmoss Corp, Welsh Prince, Glasgow
PEPPER, WHITE—70 bgs, Arthur G Dunn, American Importer, London
PETITGRAIN OIL—38 cs, Centflor Manufacturing Co, Alpherat, Buenos Aires
PETROLEUM, CRUDE—120,734 bbls, Esso Standard Oil Co, Esso Scranton, Puerto La Cruz
123,572 bbls, Socony Vacuum Oil Co, Camp Nanasau, Puerto La Cruz
217,866 bbls, Esso Standard Oil Co, Bulkstar, Puerto La Cruz
103,838 bbls, Gulf Oil Corp, Gulfhawk, Las Piedras
73,760 bbls, Cities Service Oil Co, Marathon, Amuay
80,338 bbls, California Refining Co, Macao, Puerto La Cruz
PHARMACEUTICALS—8 cs, Eli Lilly & Co, Santa Anita, La Guayra
PHTHALIC ANHYDRIDE—445 bgs, M J Corbett Co, Golden City, Rotterdam
332 bgs, M J Corbett & Co, Claiborne, Rotterdam
PIMENTO LEAF OIL—1 dm, Corn Exchange National Bank, Cape Cumberland, Kingston
6 dms, Norda Essential Oil & Chemical Co, Cape Cumberland, Kingston
PINE NEEDLE OIL—6 dms, George Uhe & Co, Molda, Leningrad
4 dms, Flora Essential Oils Co, Molda, Leningrad
POPPYSEED—2,000 bgs, Public National Bank, Brynje, Hamburg
250 bgs, Catz American Seed Corp, Noordam, Rotterdam
POTASH—25 kgs, A Gusmer Co, American Importer, London
BICARBONATE — 28 bbls, Faesy & Besthoff, Brynje, Rotterdam
RHATANY ROOT—23 bgs, Leena Dan, Callao
1,148 bls, Dominion Bank, Putumayo, Iquitos
ROSEMARY LEAVES—150 bls, M J Golombeck & Co, San Miguel, Lisbon
ROSIN—2 pots, Reliance Varnish Co, Vasaholm, Wallvik
150 dms, Agwiprincess, Vera Cruz
SANDALWOOD—100 bgs, Dodge & Olcott, Inc, President Polk, Bombay
100 bgs, George Lueders & Co, President Polk, Bombay
SARSAPARILLA ROOT—85 bls, Agwiprincess, Tampico
SEEDLAC—300 bgs, United Shellac Corp, Maidan, Calcutta
300 bgs, Bradshaw-Praeger & Co., Maidan, Calcutta
100 bgs, Mantrose Corp, Maidan, Calcutta
100 bgs, Schwab Bros Corp, Maidan, Calcutta
250 bgs, Haeuser Shellac Co, Maidan, Calcutta
250 bgs, P N Rowe Co, Maidan, Calcutta
300 bgs, Suhr & Budelman, Maidan, Calcutta
200 bgs, Carleton & Moffat, Maidan, Calcutta
750 bgs, Mantrose Corp, Maidan, Calcutta
700 bgs, C H Timm Co, Maidan, Calcutta
300 bgs, Wm Zinsser & Co, Maidan, Calcutta
100 bgs, Gillespie-Rogers-Pyatt Co, Maidan, Calcutta
SESAMESEED—1,400 bgs, Archibald & Kendall, Inc, Cape Cumberland, Cristobal
334 bgs, W G Scarlett & Co, Cape Cumberland, Cristobal
667 bgs, Indept Halvah Candies, Inc, Cape Cumberland, Cristobal
SHARK LIVERS—6 dms, Silmo Chemical Corp, Santa Rita, Puna
OIL—20 dms, Frazer & Co, Robin Gray, Cape Town
SHELLAC—100 bgs, Meer Corp, Maidan, Calcutta
50 bgs, Dings & Schuster, Maidan, Calcutta
250 bgs, Wm Zinsser & Co, Maidan, Calcutta
50 bgs, C L Camerik Co, Maidan, Calcutta
130 bgs, Ralli Bros Corp, Maidan, Calcutta
100 bgs, Bradshaw-Praeger & Co, Maidan, Calcutta
60 bgs, Colony Import & Export Corp, Maidan, Calcutta
350 bgs, P N Rowe, Maidan, Calcutta
100 bgs, Schwab Bros Corp, Maidan, Calcutta
1,200 bgs, Reuben Import Corp, Khedive Ismail, Genoa
25 bgs, F H Paul & Stein Bros, Washington, Hamburg
MINERAL OIL, SOLIDIFIED—5 cs, N Y-N J Lubricant Co, Welsh Prince, Glasgow
STEARIN—48 bgs, Parthia, Liverpool
SUGAR CANE WAX—46 bgs, Korlis, Ltd, American Importer, London
SULPHUR ORE—5 bgs, Chemical Construction Corp, Khedive Ismail, Alexandria
TANKAGE—995 bgs, Armour Co, Alpherat, Buenos Aires
TANNIC ACID—20 dms, American Dyewood Co, Welsh Prince, Glasgow
TANTALUM ORE—20 bgs, Western Hemisphere Raw Materials Corp, Mormactern, Cabadello
TAPIOCA FLOUR—334 bgs, J Henry Schroder Banking Corp, Mormactern, Parnahyba
500 bgs, First National Bank of Boston, Mormactern, Parnahyba
TEA WASTE—2,239 bgs, Citro Chemical Co, Maidan, Calcutta
700 bgs, Maywood Chemical Works, President Polk, Colombo
THYMOL—20 cs, Chase National Bank, Brynje, Hamburg
TUNGSTEN CONCENTRATE—344 bgs, Santa Luisa, Callao
ORE—94 bgs, Western Hemisphere Raw Materials Corp, Mormactern, Fortaleza
TUNU GUM—44 cs, L A Dreyfus Co, Cape Cumberland, Cristobal
UREA—300 bgs, Parthia, Liverpool
3,000 bgs, Colonial Trust Co, Herdis, Rotterdam
VALERIAN ROOT—214 bls, Biddle Sawyer Co, Brynje, Antwerp
VANADIUM CONCENTRATES—3,380 bgs, Vanadium Corp of America, Santa Luisa, Callao
VANILLA BEANS—59 cs, F Huber & Co, Agwiprincess, Vera Cruz
20 cs, Zink & Triest Co, Agwiprincess, Tampico
20 cs, Thurston & Braidich, American Flyer, Havre
23 cks, Zink & Triest Co, Thulin, Roseau
59 cs, Thurston & Braidich, President Polk, Marseilles
21 cs, Zink & Triest Co, President Polk, seilles
23 cs, George Lueders Co, President Polk, Marseilles
29 cs, J Manheimer Co, Lake Manitou, Vancouver, B C
10 cs, Royal Bank of Canada, C G Thulin, Roseau
32 cs, Parthia, Liverpool
64 cs, Zink & Triest Co, President Polk, Marseilles
WATTLE EXTRACT—2,005 bgs, Barkey Import Co, Robin Gray, Mombasa
WAX WASTE—214 bgs, Public National Bank, Denis, Fortaleza
33 bgs, Denis, Fortaleza
WHITING—1,200 bgs, Pleuss, Staufer Co, Herdis, Antwerp
WITHERITE—250 tons, E I du Pont de Nemours Co, Marengo, Hull
WOOL GREASE—25 dms, Phoenix Oil Products Corp, Brynje, Bremen
89 bbls, H D Sheldon & Co, Brynje, Bremen
59 bbls, N I Malmstrom Co, Brynje, Bremen
80 dms, N I Malmstrom Co, Brynje, Bremen
18 dms, Welsh Prince, Liverpool
41 dms, American British Chemical Co, Welsh Prince, Liverpool

Baltimore

BONEMEAL—2,205 bgs, J S Connor Co, Golden City, Hamburg
CHROME ORE—4,463 tons, E J Lavino & Co, Robin Gray, Beira
FISHMEAL—2,636 bgs, Leena Dan, Ilo
KYANITE ORE—46 tons, Charles Tennant & Sons Co, Robin Gray, Mombasa
MANGANESE ORE—1,016 tons, Chase National Bank, African Patriot, Lunda
SODIUM NITRATE—3,185 tons, Guaranty Trust Co, Leena Dan, Tocopilla

Boston

HOOF MEAL—575 bgs, Wessel, Duval & Co, Alpherat, Buenos Aires
437 bgs, Armour & Co, Alpherat, Montevideo

Norfolk

KYANITE ORE—500 tons, Charles Taylor & Sons, Maidan, Calcutta
MANGANESE ORE—14 tons, Westinghouse Electric Co, Maidan, Calcutta

Philadelphia

BEETPULP—1,200 bgs, Leerdam, Rotterdam
BONEMEAL—518 bgs, Edward Lang Co, Anita, Gothenburg
CALCIUM SILICIDE—24 dms, J W Hampton Jr & Co, Havman, Antwerp

CHEMICALS — 1 cs, European Chemicals, Inc, American Inventor, London
3 cs, Aldan Rubber Co, Leerdam, Rotterdam
CHROME ORE—8,799 tons, Mutual Chemical Co, Vander Walls, Iskenderun
CRESYLIC ACID—250 dms, Concord Chemical Co, Leerdam, Rotterdam
EXTRACT—624 bgs, Abbedyk, Buenos Aires
FLUORSPAR CONCENTRATES — 2,256,380 lbs, Continental Ore Co, Dodin Marsano, Genoa
GLUE STOCK—103 bls, National City Bank, Bowrio, Buenos Aires
GYPSUM—5,500 tons, U S Gypsum Co, Darien, Hantsport
6,040 tons, U S Gypsum Co, Gypsum King, Hantsport
MANGANESE ORE—5,197 tons, Lavino Shipping Co, Houffalize, Luanda
METALLURGICAL FLUORSPAR — 1,092,590 lbs, Continental Ore Co, Dodin Marsano, Genoa
NAPHTHALENE—1,619 bgs, Black Gull, Antwerp
3,750 bgs, Barett Division Co, American Lawyer, Rotterdam
PEATMOSS—460 bls, Marine Midland Trust Co, Leerdam, Rotterdam
PETROLEUM, CRUDE—15,074 tons, Socony Vacuum Oil Co, Shabonee, Mena Al Ahmadi
13,597 tons, Texas Oil Co, Thorshor, Ras Tanura
15,852 tons, Gulf Oil Corp, Gulfray, Mena Al Ahmadi
118,585 bbls, Gulf Oil Corp, Gulfwing, Puerto La Cruz
20,681 bbls, Texas Oil Co, Ohio, Puerto La Cruz
124,491 bbls, Socony Vacuum Oil Co, Stony Point, Puerto La Cruz
130,535 bbls, Socony Vacuum Oil Co, World Peace, Covenas
22,668 tons, Socony Vacuum Oil Co, Nash-Bulk, Mena Al Ahmadi
14,987 tons, Gulf Oil Corp, Chicago, Mena Al Ahmadi
109,704 bbls, Texas Oil Co, Louisiana, Las Piedras
211,115 bbls, Texas Oil Co, Bulk Oceanic, Ras Tanura
SHELLAC—50 bgs, Colony Import & Export Co, Steel Fabricator, Calcutta
TAPIOCA FLOUR—4,000 bgs, Philadelphia National Bank, Anita, Imbituba
VERMICULITE ORE—87 tons, Bank of Manhattan Co, African Crescent, Beira
WATTLE BARK—2,210 bls, 1st National Bank of Boston, African Crescent, Mombasa
EXTRACT—1,088 bgs, Bank of New York, African Crescent, Mombasa

San Francisco

AMMONIUM CHLORIDE—560 bgs, Chemical Manufacturing Co, Cape Howe, Liverpool
BICARBONATE OF SODA—400 bgs, S L Abbot Co, Cape Howe, Liverpool
200 bgs, Zehrung Chemical Co, Cape Howe, Liverpool
CALCIUM NITRATE—10,000 bgs, Wilson & Meyer Co, Bataan, Oslo
CHILLIES HONTAKA — 25 bgs, Taiyo Trading Corp, Flying Dragon, Kobe
25 bgs, Hismoco American Co, Flying Dragon, Kobe
CHINESE MEDICINES—95 cs, President Cleveland, Hong Kong
COPAL GUM—64 bgs, Internatio Rotterdam Inc, Laura Maersk, Manila
COPRA—500 tons, China Transport, Hong Kong
250 tons, El Dorado Oil Works, Laura Maersk, Tacloban
GALENA ORE—729 dms, Base Metals Corp, President McKinley, Manila
GALLNUTS—588 bgs, Arnhold & Co, Surprise, Hong Kong
MANGROVE EXTRACT—20 cs, Dodwell & Co, China Transport, Hong Kong
MUCILIN WAX—3 cs, American Express Co, Cape Howe, Liverpool
PEPPER, BLACK—320 bgs, Mincing Trading Corp, Steel Age, Alleppey
SHARK LIVERS—223 tins, Nopco Chemical Co, Flying Dragon, Yokohama
742 tins, Nopco Chemical Co, President Cleveland, Kobe
UREA—800 bgs, Imperial Chemical Industries Inc, Cape Howe, Liverpool
WHITING—67 bgs, H J Baker & Bros, Cape Howe, Liverpool
WOOL GREASE—28 dms, Public National Bank & Trust Co, Cape Howe, Liverpool

Philippine Imports In November Reported

Statistics on imports of American and foreign chemicals into the port of Manila, Philippines, during the month of November have been compiled by C. E. Mauchenheim, spokesman for Robot Statistics, New York.

According to the compilation, Canada shipped 321,716 kilograms of ammonium sulphate and 828,074 kilograms of fertilizers into the port during the month, compared with 207 kilograms of ammonium sulphate and no fertilizers from the United States. However, the only other chemical imports from countries other than the United States were 23,000 kilograms of ammonium bicarbonate from the Netherlands and insignificant shipments of insecticides and rosin from other countries.

Data on imports from the United States are as follows, in gross kilograms:—

Ammonium sulphate	207
Insecticides	98,807
Acetic acid	3,104
Sulphuric acid	169,596
Alcohol	5,421
Ammonium bicarbonate	10,975
Aluminum sulphate	19,196
Borax	73,294
Calcium carbide	79,709
Carbonate	18,234
Chloride	14,903
Caustic soda	466,823
Cyanide	20,603
Liquid chloride	38,116
Hydrogen peroxide	10,779
Lithopone	22,907
Muriate of potash	316,744
Potash aluminum	11,095
Soda ash	460,419
Sodium aluminum sulphate	18,366
Silicate	114,371
Sulphate	10,297
Rosin, gum	127,518
Tallow	81,019
Cottonseed oil stearin	115,099
Lubricating oils	965,902
Paraffin	152,936
Petrolatum	133,682
Turpentine	11,846
Paints, Allied Products	
Paint and enamels	876,278
Oil paints	714
Putty wood fillers	22,772
Stain dye paints	
Varnish	31,207
Thinners	
Water paints	20,413

Chemical Industry Expanded In Spain During Last War

A substantial expansion in chemical production occurred in Spain during World War II because of efforts to become more nearly self-sufficient in many commodities and as a result of favorable prices and the absence of foreign competition, according to a report from W. G. Torbert, jr., United States Embassy, Madrid, and made public by the Department of Commerce.

Because of spot shortage, lack of access to regular sources of supply, and other factors, much of the growth in the Spanish industry, however, has been through improvisation rather than by planned expansion. Production for the most part is on a workshop rather than a factory basis, although a few large units—modern by prewar standards—might serve as a nucleus for further industrialization.

Mr. Torbert reported that the capacity of the industry is said to be sufficient for mineral acids, boric and tartar acids, white arsenic, formaldehyde, lead acetate, potash alum, potassium chlorate, potassium metabisulphite, sodium bicarbonate, sodium hyposulphite, zinc salts, chrome alum, magnesium carbonate, acetic acid, benzoic acid, calcium chloride, carbon disulphide, liuid chlorine, caustic soda, and potassic and phosphatic fertilizers.

Chemicals in Short Supply

Chemicals produced in Spain but currently in short supply include formic acid, lactic acid, oxalic acid, phenol, ammonium carbonate and bicarbonate, copper sulphate, glucose, glycerin, iodides, lanolin, naphthalene, potassium carbonate, potassium nitrate, potassium permanganate, silver nitrate and sodium perborate.

Complete production data for 1948 are not available. Monthly average output in the first nine months is given for the following products, in metric tons:—sodium carbonate, 5,221; caustic soda, 4,776; ammonium sulphate, 1,331, and calcium superphosphate, 56,594. Production of sulphuric acid, potassium salts, and superphosphates appears to have held up well in the first part of 1949, it was stated. The chemical industry seems to have suffered somewhat more from the restrictions on electric power than has the steel industry.

Chemical Exports Gained In Oct., Imports Unchanged

United States exports of chemicals and related products amounted to $58,500,000 during October, compared with $58,400,000 in September, while imports remained unchanged at $8,600,000 for the two months, according to the preliminary figures of the Bureau of Census.

The bureau reported that all exports of domestic and foreign merchandise dropped from $904,400,000 in September to $848,500,000 in October, or to a level about 18 percent below the $1,040,500,000 monthly average for the first nine months of 1949 and 20 percent below the $1,054,200,000 monthly average for 1948. United States general imports, meanwhile, rose from $529,900,000 in September to $558,600,000 in October, a level slightly above the $540,800,000 monthly average for the first nine months of 1949 and 6 percent below the 1948 monthly average of $593,700,000.

Canadian Exports: Oct.

Exports of various products from Canada in October, 1949, as compared with the corresponding month in 1948, have been reported as follows:—

	October 1949	October 1948
Abrasives, artificial, crude	$703,000	$1,200,000
Acids	141,000	427,000
Artificial silk and products	222,000	503,000
Asbestos and products	5,201,000	3,957,000
Calcium compounds	138,000	318,000
Chemical products	1,640,000	1,677,000
Copper and products	7,058,000	7,594,000
Fertilizers	2,800,000	2,151,000
Lead and products	2,637,000	2,819,000
Medicinal preparations	114,000	145,000
Nickel	6,681,000	6,470,000
Paints and varnishes	276,000	562,000
Petroleum and products	318,000	960,000
Soda and sodium compounds	467,000	423,000
Vegetable fats and oils	514,000	689,000
Zinc and products	4,295,000	5,134,000

Trade Briefs

American Key Products, Inc., domestic and imported dextrins and starches, New York, has appointed the Chemical & Industrial Laboratories, P. O. Box 2184, Greenwood, S. C., its representative in the southern territory.

Calco Chemical Division, American Cyanamid Company, Bound Brook, N. J., is offering a new vat black, "Calcoloid Black BBD Double Paste," which is said to have excellent solubility, stability and crosk-resistant properties.

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ADMA Section to Meet

The foreign trade section of the American Drug Manufacturers Association will hold a luncheon meeting on January 27 at the Waldorf-Astoria, New York. Chairman of the section is H. D. Arneson, president of Abbott Laboratories International Company, and vice-chairman Forest Teel, president of Eli Lilly International Corporation.

Bids Wanted

Acetone, 17,280 pounds, Veterans Administration (Washington 25), invitation A-47, January 9.

Adhesive coating, fire-resistant, 2,700 gallons, Navy Department (Aviation Supply Office, Philadelphia 11), invitation 50,058, January 23.

Alcohol, 7,500 gallons, and dehydrated, 5,920 gallons, Veterans Administration (Washington 25), invitation A-49, January 11.

Aluminum hydroxide gel, 11,560 gallons, Veterans Administration (Washington 25) invitation A-47, January 9.

Ammoniated superphosphate, 80,000 short tons, Army Ordnance Department (Joliet Arsenal, Ill.), invitation 173-3, January 6.

Ammonium sulphate, 155,000 short tons, Army Ordnance Department (Joliet Arsenal, Ill.), invitation 173-3, January 6.

Barium sulphate, 40,000 pounds, Veterans Administration (Washington 25), invitation A-47, January 9.

Blue toner, 1,200 pounds, Bureau of Engraving & Printing (Washington 25), invitation BEP-307, January 5.

Boric acid powder, 1,200 pounds, Veterans Administration (Washington 25) invitation A-47, January 9.

Calcium carbide, 600,000 pounds, Army Engineers Corps (Chicago 6), invitation DA-ENG-479, January 4.

Caustic soda, 8,000 pounds and 2,000 thirteen-ounce cans, Panama Canal (Washington 25), schedule 9476, January 11.

Chemicals, including acetic anhydride, aluminum subacetate, petroleum benzin, sodium hydroxide pellets, benzene, Veterans Administration (Washington 25), invitation A-47, January 9.

Cleaning materials, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio), invitation 038-575, January 10.

Deodorant, blocks, 6,500 pounds, Quartermaster General of the Marine Corps (Washington 25), invitation 375, January 23.

Drugs, including propylthiouracil tablets, Armed Services Medical Procurement Agency (Brooklyn, 1, N. Y.), invitation 312, January 4; amyl nitrite, invitation 325, January 9; dextrose, epinephrine, estrone, invitation 309, January 12.

Filler, wood block floor, 2,000 gallons, Army Ordnance Department (Rock Island Arsenal, Ill.), invitation 98, January 23.

Gas, tear and nauseating, from April 1, 1950, through March 31, 1951, Federal Supply Service (Washington 25), classes 2, 4 and 42, January 25.

Gasoline, as required from April 1 through September 30, 1950, Federal Supply Service (Washington 25), class 7, January 18; invitation 9G-10165-R, January 12.

Grease, 25,088 pounds, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.), invitation 138, January 17; 35,000 pounds, invitation 139, January 17; 25,000 pounds, invitation 142, January 17; instrument lubricant, 10,020 eight-ounce containers, invitation 126, January 12.

Gum arabic, 6,000 pounds, Army Map Service (Washington 16), invitation S-26, January 16.

Hydraulic oil, 1,752 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.), invitation 137, January 16; 5,004 gallons, invitation 143, January 18; 15,012 gallons, invitation 144, January 18.

Hydrocarbon wax, 7,450 pounds, Army Ordnance Department (Joliet Arsenal, Ill.), invitation 171-17, January 4.

Ink, opaque stencil, 300 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.), invitation 145, January 16.

Lacquer, pyroxylin, 10,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.), invitation 154, January 16.

Lavender oil, 16,200 pounds, Veterans Administration (Washington 25), invitation A-47, January 9.

Oil, engine preservative, 10,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.), invitation 149, January 18; 12,500 gallons, invitation 153, January 20; 20,000 gallons, invitation 154, January 20.

Paint, various, 1,400 gallons, Army Engineers Corps (Louisville 1, Ky.), invitation CIVENG-50, January 11; 1,000 gallons, Army Ordnance Department (Aberdeen Proving Ground, Md.), invitation 78, January 5; 1,000 gallons, Army Ordnance Department (Watervliet, N. Y.), invitation 152, January 20; 876 gallons, Panama Canal (Washington 25), schedule 9473, January 10; 200 gallons, Federal Supply Service (Washington 25), invitation 5H-83853-R, January 12; 400 gallons, invitation 5H-83862-R, January 10.

Pepper, black ground, 2,400 pounds, Quartermaster Purchasing Office (New York 3), invitation 414, January 10.

Pigments, in oil, white lead, 800 pounds, and blue lead, 2,000 pounds, Army Engineers Corps (Louisville 1, Ky.), CIVENG-50, January 11.

Protective compound, strippable, 100,000 pounds, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.), invitation 127, January 13.

Putty, various, 2,000 pounds, Panama Canal (Washington 25) schedule 9476, January 11; 17,438 pounds, Federal Supply Service (Washington 25), invitation 5H-83856-R, January 4.

Shellac, orange flake, 3,000 pounds, Panama Canal (Washington 25) schedule 9476, January 11.

Soap, laundry, chip, 2,000 pounds, bars, 1,200 pounds, grit, 400 ten-ounce cakes, toilet, 3,600 cakes, barbers shaving, 125 packages of eight-ounce cakes, powder, 2,000 pounds, U. S. Penitentiary (Terre Haute, Ind.), invitation 31-3121, January 6.

Sodium acetate, 2,000 pounds, Navy Purchasing Office (New York 3), invitation 5994, January 10.

Solvent, non-flammable, 2,100 gallons, Navy Purchasing Office (New York 3), invitation 6023, January 20.

Turpentine; 2,000 gallons, Panama Canal (Washington 25), schedule 9476, January 11; gum spirits, 2,900 gallons, Federal Supply Service (Washington 25), invitation 5H-83861-R, January 9.

Varnish, various, 2,600 gallons, Panama Canal (Washington 25), schedule 9476, January 11; 660 gallons, Federal Supply Service (Washington 25), invitation 5H-83860-R, January 31; 392 gallons, invitation 5H-83859-R, January 10.

X-ray developer and fixer, Veterans Administration (Washington 25) invitation A-48, January 4.

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Season's Greetings

Lever Appoints Woulfe Midwest Operations Head

Henry F. Woulfe, president of the Pepsodent Division of Lever Brothers Company, has been elected vice-president in charge of the parent company's mid-western operations. Mr. Woulfe, who will assume his new duties early in February, will make his headquarters in Chicago.

In the interim, he will supervise the move of the Pepsodent Division from Chicago to the new centralized headquarters of Lever Brothers in New York. He will continue to serve as president of the Pepsodent Division until a successor is named.

Dorset Joins Central Chem.

Central Chemical Corporation, Hagerstown, Md., has announced the appointment of R. R. Dorset as technical and sales representative with headquarters at the concern's home plant. Mr. Dorset, founder and president of Dorset-Jones Company, Baltimore, Md., served in a civilian capacity with the Office of the Quartermaster General from 1939 to 1945. He previously had been employed by Calco Chemical Division of the American Cyanamid Company, as well as by Rohm & Haas Company.

Minerals Production

—Continued from page 3

six-day work schedule. Mine production of copper was 11 percent lower than in 1948. The labor strike at the Utah Copper mine, Bingham Canyon, Utah, affected production adversely from October 24, 1948, through February, 1949.

"The sharp break in zinc prices interrupted some operations while labor and management were deciding how to distribute the lesser income from zinc operations. The 3 percent increase in lead mine output, greatest since 1944, reflected the incentive of earlier higher prices and also fewer interruptions in operation due to labor-management disputes.

"Mining of domestic bauxite declined one-fourth in 1949. Production of aluminum during each of the first seven months of 1949 exceeded output of the corresponding months of 1948, but strikes at reduction plants curtailed operations in August to December. Demand for primary magnesium increased substantially; fabricating costs were reduced. Notable progress was made during 1949 in the commercial development of titanium metal and alloys.

"Mercury mining was at such a low ebb in early 1949 that output for the year was expected to be the smallest in a century of record-keeping. However, the reopening of a major Nevada mercury mine in the latter half of the year retarded the fall. The sustained demand for pigments led to another record in shipment of titanium concentrates. Cadmium metal refining in 1949 was at a peacetime high.

Petroleum Production

"Production of crude petroleum in 1949 was 8 percent less than in 1948, amounting to 1,800,000,000 barrels. This decline reflected a break in the rate of increased demand for petroleum and products characteristic of recent years; increased imports of foreign oil, and discontinuation of large additions to stocks. The value of crude oil production at the wells in 1949 was approximately $4,700,000,000, an average of $2.54 per barrel.

"Production of the natural gasoline industry increased about 6 percent over 1948 to a record of 6.5 trillion gallons. However total value decreased to $387,000,000 in 1949, owing to declines in unit prices of natural gasoline and liquefied petroleum gases."

Schori Describes New Method For Corrosion Proofing Metal

Schori Process Division, Ferro-Co Corporation, Long Island City, N. Y., has published a bulletin describing a new method of applying polyethylene to metal surfaces to resist corrosion and deterioration of storage tanks and drums. The information in the bulletin is the result of research work by the division and E. I. du Pont de Nemours & Co.

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Botanical Drugs, Spices, Gums

Price activity in botanicals decreased in the last week of the year. A fair amount of trading in merchandise for delivery here or shipment from origins later on was done under conditions showing no new developments at home or abroad. All China products held firm and rhubarb from that country was higher as well as nominal on spot. Ergot was higher and also nominal on spot and it certainly was no lower in price anywhere. Nutmegs in the East Indies were strong; on spot they rose sharply. Cloves continued to turn moderately easier. Vanilla beans were very strong and were expected to go higher. The supply of lobelia, passion flower herb, mandrake, valerian, all balsams, Dalmatian sage and French marjoram were conservative and also very strong in price. The market index was higher at 193.6, a rise of 2.5 points. It compared with an index unchanged a year ago at 198.9.

Inventories of manufacturing consumers were believed to be conservative in size, sufficiently so as to constitute an element of potential strength for early 1950. What was uncertain was the rate of consumers' consumption of their reserves and should the rate rise in the first quarter, some upward movement in prices might spread fairly evenly over the market. Except in a very few materials, there was no sign of any speculative approach to the market early in the new year.

Market Trends

Prices Advanced

Drugs

Ergot, 25c. per lb.
Rhubarb root, whole, 10c. per lb.
powdered, 10c. per lb.

Other Articles

Celery seed, Indian, 1c. per lb.
Nutmegs, East Indian, 5c. per lb.
Pepper, black, spot, 2c. per lb.
Sage, Dalmatian, 4c. per lb.

Prices Reduced

Drugs

Blood root, 2c. per lb.
Gum arabic, sorts, ½c. per lb.

Other Articles

Clove, Madagascar, 1½c. per lb.
Zanzibar, ½c. per lb.
Mace, West Indian, 1c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
193.6	191.1	190.7	198.9

(For Current Prices see Page 9)

Balsams

Copaiba—Generally firmer but lacking definite change in price, this article was in a position last week that suggested possible advances in quotations if demands press more actively after the turn of the year. Little competition was in sight.

Peru—The tendency of prices was to advance further and dealers indicated that such a development would come readily with any even moderate expansion in the requirements of buyers. The market ended the year at 90c. to $1.05 per pound with stocks, reported as light.

Tolu—Not a great deal of this balsam could be obtained at the minimum of spot quotations—$2.25 per pound. The majority of suppliers had price views nearer to $2.50 and they talked of a $3 market to come early in 1950 if present conditions continue.

Barks

Black Haw—All holders of this bark at whatever point had firm views on its value, especially with respect to root bark. Immediate demand was small last week and it was not clear that substantial increase in requirements would herald the new year. However, absence of substantial reserves was a firming factor.

Cascara Sagrada—It was believed that most of the larger consumers of this material were carrying stocks of well aged bark sufficient in size to meet requirements between now and the maturing of bark purchased in 1948 and 1949 for ageing. Prices ended the year in substantially steady position.

Cocillana—Demand has been fair this year but in some respects it has not been quite as satisfactory as at times in the past. A fairly open and mild Winter thus far has tempered the call for many remedial agents into which this bark goes.

Sassafras—The time is not far distant when major demand for the select quality of this bark should make a substantial appearance. Some gain in commitments for delivery early in 1950 have been entered of late and the present outlook was said to be encouraging last week.

Beans

Vanilla—The year ended much stronger than it began. At present, stocks were said to be comparatively low when compared with the probable requirements of manufacturing consumers between now and the arrival of the next crop of beans. The holdings were all in strong hands who faced a future seemingly committed to the maintenance of a higher level of quotations than seemed likely some time back. The final week of the year was not one of large demand but it was one of fundamental strength for vanilla in all of the world markets. European consumption, which revived sharply in 1948, was expected to play an increasingly important part in price developments at the origins during the coming year. Crop prospect were called adverse.

Berries

Cubeb—Creation of the United States of Indonesia may lead to the restoration of business in this article with its primary market on a more satisfactory and even easier basis. However, consumption of cubeb is not what it was and for the most part demand during the next year was not expected to change very much. Prices ended the year in very steady position.

Juniper—The market ended the year virtually as it began with the exception that though prices were easy, they were less likely to decline further at the origin. Locally, a fairly steady position prevailed under conditions centering on limited call.

Flowers

Chamomile—Immediate demands were few and relatively small last week but the type of trading was about the same as that prevailing at the end of most years. Pricewise, the market seemed to be ending the year in quite steady position and to lack signs of an early change in the basic position of this merchandise.

Clover—Stocks were not what they ought to be at this time of the year but the failure of consumers to press steadily for substantial quantities is sufficient to make the market one of considerable firmness though free from actual rise in quotations.

Saffron—Competition was still fairly active and it tended to keep a quite low level of prices prevailing on Spanish flowers. Jobbing transactions last week confirmed the market at $17 to $18 per pound and reserves could cope well with any reasonable gain in consumer requirements early in the new year.

Gums

Arabic—The spot market on cleaned amber sorts was more competitive in the final week of the year. Prices as low as 12c. per pound were noted but the range was to about 13½c. as to dealer. However, the tendency of most suppliers seemed to meet open mark competition as it arises.

Benzoin—What the effect of the establishment of the new nation called the United States of Indonesia may have on future trading in this gum at its origin remains to be developed. At the moment, the spot market was quiet last week with prices steady and in line with what was last paid at the source.

Locust Bean—The year ended with the consumers will be forced into the market

Imports Detained by FDA

Week Ended December 23

New York

Anise seed, 92 bags: filthy.
Apricot kernels, bitter, 100 bags: contains HCN and filthy.
Caraway seed, 500 bags: filthy.
Celery seed, 515 bags: filthy.
Chillies, 886 bags: filthy.
Cod oil, 100 drums: decomposed.
Coriander seed, 490 bags: filthy.
Cumin seed, 250 bags: filthy.
Dill seed, 100 bags: filthy.
Fennel seed, 840 bags: filthy.
Karaya gum, 134 bags: filthy.
Kola nuts, 44 bags: filthy.
Nutmegs, 139 bags: filthy.
Pepper, 863 bags: filthy.
Poppy seed, 100 bags: filthy.
Sesame seed, 2,067 bags: filthy.

For Late Market Developments, See Page 4

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market in better than fairly steady price position. Sales were reported around 30c. per pound and while the movement was at its usual seasonal low for the current time of year, indications for the new year were said to be fairly encouraging.

Herbs and Leaves

Belladonna—The year ended with this item in very steady price position. Stocks still unsold on this market were fair in size but not more than the probable requirements of consumers between now and the marketing of the 1950 crop. Quotations held steadily to the basis of 75c. to $1.10 per pound.

Catnip—Demand remained as it had been of late—moderate in total volume and built mainly of individually small orders. Prices remained in very firm position at 30c. to 35c. per pound and the unsold portion of the limited crop of 1949 was said to be relatively small and held in firm quarters.

Lobelia—A strong, undersupplied market closed on active year whose consuming requirements had to be filled with merchandise bought at steadily rising cost in the domestic primary market. Major consumers seemed fairly well covered but the market could not readily supply a more than moderate demand next quarter.

Patchouli—Virtually was on the open spot market. Limited arrivals go direct to distillers who have found a good market for their production since foreign patchouli oil became so high in price and so difficult to get in suitable quality.

Passion Flower—This herb was in low supply. Most of the limited production of 1949 has been sold into consumption, leaving only small lots in every strong hands at strong prices.

Sage—The scarcity of Dalmatian sage on spot has not been relieved nor does it seem likely to be relieved short of a 1950 production of substantial size. Spot prices were higher at 74c. to 75c. per pound for the few lots still unsold and those quotations were offered only on the basis of further confirmation.

Thyme—Importations of the French herb were substantial in 1949 and the business was done at prices fluctuating over a comparatively narrow range. At the end of the year, the spot market was reported as being very steady at 16c. to 16½c. per pound.

Miscellaneous

Cantharides—Only absence of consumer interest seemed to account for the failure of this Chinese material to reflect the strength developed in the latter part of 1949 in numerous other Chinese products —rhubarb and cassia, for example.

Ergot—Local quotations were nominal and subject to confirmation because of the very small quantities now unsold on spot and the absence of a broad distribution of the limited amount that was available. The nominal quotation was $3.75 per pound, but it was said that sales have been actually made at higher limits on some occasions.

Papain—The market ended the year at a low price position, but it also showed some signs of a developing stabilization. In fact, there were those who felt that the next major change in price trend would be toward higher levels when it came to goods showing a high test. The supply appeared to be adequate.

Roots

Blood—Very slow demand over the past several weeks has led to a further easing of the spot position of this root. Quotations ranged 38c. to 40c. per pound, with little support from buyers save from those requiring jobbing quantities. Stocks were substantial in most quarters and replacement seemed likely to encounter much difficulty at the origin.

Ginseng — Though it is still difficult safely to do business with Chinese importers, this root was still an item of substantial steadiness at the end of the year. Quotations here were $12 to $16 per pound, depending on quality and seller, and such prices seemed in line with the ideas of country holders when warranted profit to local factors was considered.

Goldenseal — Strictly NF quality merchandise on spot was firmly held at $3.25 to $3.40 per pound for whole root. Firmness prevailed despite the absence of much interest in the root in the final week of the year. Untested root could be bought around $2.25, it was said.

Mandrake—The future of manufacturing consumers' needs was the subject of considerable cogitation by operators specializing in this root. Several parcels still held in the country have been offered here, but at prices which were not productive of business. The idea that some

before the 1950 crop becomes available will not down, but whether this wishful hope will be realized was at least uncertain. It may be said that the stock still unsold at the year-end was hardly of a size likely to be dangerous unless new crop be available at prices far lower than seems likely at this time.

Rhubarb — Strictly nominal market at $1.20 for whole and $1.40 per pound for powder prevailed last week. The year ended with stocks being possibly the smallest in the past two years. Nor were there signs of the China market opening sufficiently to permit normal quantities prompt shipment from the source.

Senega — Unsold stocks to be carried into the new year were apparently small. They were surely held in strong hands and were not likely to sell under competitive circumstances earlier than the marketing of the 1950 crop. Spring price trend will tell the story of whether holders have overstayed their market.

Valerian—The year ended with this article in steady price position. Stocks were not overly large, but they were more than had seemed likely when one foreign shipper was forced to delay shipping against contracts for a number of months—some said the shipment date had been around last March. However, most of the goods arrived here eventually and was accepted. Apparently the replacement market had not weakened since last Summer.

Seeds

Caraway—The market was steadier despite the absence of spot demand for Dutch seed at 13¾c. to 14c. per pound.

Cardamom—Prices remained firm to strong in an inactive market. They were well maintained in proper ratio to the last cabled prices to reach the spot.

Celery—Indian seed advanced once again and ended the year at 25½c. per pound. The price was the high for the year. The low was 20c., prevailing in January.

Mustard—Larger importations of foreign seed cut transactions in the domestic produce during the past year. The year ended with most quotations displaying considerable stability at all points.

Spices

Cassias—Strength prevailed in the final week of the year. Demand amounted to very little and contributed none of the apparent strength. The latter rested mainly on conditions at the several origins.

Clove—The market continued to ease, fractionally. Zanzibar spice on spot was available at 18½c. to 19c. per pound. Some Madagascar buds could be bought at 19c. Cables quoted Zanzibars for shipment at 17¾c. c. & f. New York. Agents wondered if the heavy buying by distillers during the latter part of 1949 would be resumed early in the first quarter of 1950.

Ginger—Prices held in stable position but their future was uncertain since the 1950 crop will be traded in early in the new year and slight signs of easier prices have appeared. However, it was pointed out that present prices are far above normal values.

Nutmegs—East Indian spice advanced sharply in all markets and spot merchandise ended the year at 49c. to 50c. per pound. Futures were 47c. to 48c. The year-end price was 1c. over that in January and compared with low for the year at 38c., prevailing in October.

Pepper—Trader took a "breather" in the last week of 1949. Spot black pepper was up to $1.30 to $1.31 per pound and January arrivals stood at $1.24 to $1.25. The December-January shipment quote was $1.23 to $1.24 and the January-March was $1.21 to $1.22.

Pimento—Jamacian spice has been bought in London and fetched to New York at prices cheaper than business direct with the origin could be done by local importers. It was a matter of arbitrage and the devalued British pound sterling. However, the Jamacian government has stopped sales of the article pending, in the opinion of spot factors, a readjustment of the price situation in the primary market.

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Obituaries

Carroll Miller

Carroll Miller, member of the Interstate Commerce Commission and former president of the Thermatomic Carbon Company, New York, died December 24 in Washington. He was seventy-four years old.

Mr. Miller joined the Thermatomic Carbon Company in 1921 as a consulting engineer. He became president in 1929 and served in that capacity until 1933, when he was appointed to the Interstate Commerce Commission.

Clifford D. Prickett

Clifford D. Prickett, one of the organizers and a former vice-president and director of the Hercules Powder Company, Wilmington, Del., died December 29 at his home in that city.

Mr. Prickett joined the Hazard Powder Company, Hazardville, Conn., in 1879, and by 1895 had become superintendent of the Hazardville plant. In 1904 he went to Wilmington when the du Pont organization purchased the Hazard company and was appointed assistant to the manager of the sporting powder division. He was subsequently named assistant to the general manager of black powder operations and was general superintendent of that department when he left to join Hercules in 1912.

In the first organization of the Hercules Powder Company he was elected a director and named assistant general manager supervising black powder operations. In 1913 he was elected a vice-president and retired in 1941.

Jason L. Russell

Jason L. Russell, production manager of the Columbus Pharmacal Company, Columbus, Ohio, died recently. He had been associated with the company for four years, and had previously served for twenty years with the Jamelson Company, Detroit. He was a former member of the board of directors of the American Pharmaceutical Manufacturers Association.

David Bregman, vice-president of Brazil Oiticica, Inc., New York, died at his home on December 29. He was sixty-three years of age.

Oscar G. Buettner, organizer of the Buettner Pest Control Company and father of William O. Buettner, executive secretary of the National Pest Control Association, died recently. He was seventy-nine years old.

Robert E. De Raismes, salesman for McKesson & Robbins, Inc., died December 23 in Stamford General hospital, Stamford, Conn. He was sixty-three years old.

Bernard W. Doyle, founder of the Viscoloid Corporation, plastics manufacturing firm sold to the Du Pont interests in 1925, died December 26 in Leominster, Mass. He was seventy-six years old.

Bibb D. Haltom, former assistant to the late William S. Farish when he was president and chairman of the Standard Oil Company of New Jersey, died December 26 in Houston, Tex. He was fifty-two years old.

William F. Kropff, retired official of Ferd-Mulhens & Kropff, cosmetics, New York, died December 29 at his home in Lynchburg, Va. He was sixty-five years old.

Mortimer Louis, assistant to the general manager of the Esso Standard Oil Company, New York, died December 27 in Methodist hospital, Brooklyn, N. Y. He was fifty-one years old. Mr. Louis had been associated with the Esso organization for thirty-three years.

Elmer H. Mainey, tax accountant for the Sinclair Oil Corporation, New York, died December 27 at his home in New York. He was sixty-four years old.

Peter P. Siegman, retired chemist for Abbott Laboratories, Inc., North Chicago, Ill., died December 27 in Victory Memorial hospital, Waukegan, Ill. He was seventy-five years old. Mr. Siegman had been associated with the company for nineteen years when he retired in 1944.

Edward R. Stirling sr., special sales representative to the petroleum industry for the Diamond Alkali Company, died December 25 at his home in Cleveland, Ohio. He was fifty years old.

Pfizer Adds to Research Staff

Jay S. Buckley, Kotaro Murai and Charles R. Stephens, who recently received doctor's degrees inorganic chemistry at the University of Minnesota, are new additions to the chemical research staff of Chas. Pfizer & Co., Brooklyn, N. Y.

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Essential Oils, Other Aromatics

Prompt delivery demand for most merchandise in the market for essential oils and aromatic chemicals was light in the final week of 1949. However, it was excellent for products to be delivered after the turn of the year, especially for goods now in foreign markets, and the presence of such demand was productive of much optimism with respect to sales during the first quarter of 1950. Special stress was laid on the demand for anethol and anisic aldehyde, used by manufacturers of the anti-histaminic drugs recently removed from prescription control by the Federal Security Agency. Price changes were restricted to a rise in quotations on Ceylon citronella and a decline in one dealer's prices on Bourbon geranium oil. The market index was 1.2 points lower at 102.8, comparing with 102.6 a year ago following a 0.4 point rise.

An undercurrent of expanding confidence prevailed throughout the entire trade as the year drew to a close. The early part of 1949 had been a period of restricted demand and unrestricted price declines in an atmosphere of undisguised pessimism. Last week, much of the talk was of the satisfactory profits realized in the last half of 1949, more especially during the final quarter of the year. For the most part, losses recorded earlier in the twelvemonth had been wiped out and every sign that pointed toward 1950 carried a message of optimism, confidence, high expectations, and buoyancy.

The special activity in derivatives of anise oil was expected to continue indefinitely unless the present propaganda of the medical profession for the return of anti-histaminics to prescription control be successful. Come January, a bill limiting sales of such drugs to persons with a doctor's prescription is slated for introduction into the New York state legislature. The medical profession's demand with respect to the anti-histaminics recalls its unsuccessful attempt to put all sales of aspirin on a prescription basis some years back.

Market Trends

Prices Advanced

Citronella oil, Ceylon, 5c. per lb.

Prices Reduced

Geranium oil, Bourbon, 50c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
102.8	104.0	100.0	102.6

(For Current Prices see Page 9)

Essential Oils

Abies Siberica — Price developments went no further during the final week of the year. Most dealers held little of spot goods. Some had moderate quantities due for early arrival. The combination of circumstances appeared to have held the market in complete price stabilization throughout a period of dull demand.

Almond—Most cables recently received have indicated price stability abroad and local conditions completely reflected the replacement position during the past week. Demand amounted to very little, notwithstanding which values were well maintained. Stocks were conservative in size, according to most suppliers.

Anise — The only price development last week was a further broadening of the local range. The market was $1.20 to $1.60 per pound according to seller and quantity. Immediate delivery demand was moderate but interest in deliveries to be made early in the new year was by no means small or lacking entirely. And every known fact pointed to substantial activity being undiminished in 1950.

Bergamot. — Some indication of a moderate growth of competition, or tendency in that direction, for business in this oil last week. Quotations were $4.40 to $5 per pound but the tendency to compete showed itself in the fact that more dealers were disposed to make $4.50 the market than had been their wont in recent weeks. Stocks of most dealers were excellent in size. Also, the stocks of numerous manufacturing consumers have gained through the recent and substantial importations.

Birchtar—Little material was in sight and that which was available was held by a very few dealers. The spot market lacked activity last week but absence of surplus stocks kept prices firm.

Bois de Rose — Firmness characterized the spot market on this oil in the final week of the year. Buyers had few orders to place and all of the calls were for jobbing quantities. Few posting advices reached here from the origin but the limited information received was all in the direction of firmness.

Camphor—The threat of a Chinese Red invasion of Formosa naturally has caused the rise of some speculation as to what may happen to the replacement of this oil. So far, plenty of oil has been available at comparatively low prices and the result has been the growth of excellent stocks in this market where prices remained well stabilized in steady position at the year end.

Cananga — There seemed to be some reason for the opinion that stocks might become more readily obtainable now that the differences of parties in the primary market have been composed to a substantial degree. Local market conditions were firm to steady despite the rather small consuming demand prevailing during the past several weeks. Stocks were not substantial in size.

Cardamom—Stocks were low and were expected so to remain for an indefinite future. Production cost runs high because of the present prices of raw material at the origins. Demand was strictly jobbing last week at $54 to $70 per pound which was the price range maintained according to dealer.

Cassia—The local quotations developed no further along the line of strength prevalent for some time past. Values were in virtually strong position at $1.90 to $3 per pound. No change in the replacement market was noted and some felt that the next development at the origin might be in the direction of more supplies.

Cedarwood—Competition has increased moderately in the market for this material and spot oil in drums could be had at as low as 32c. per pound, though upwards of 50c. was asked in some quarters.

Celery—Prices for raw material have strengthened materially of late and rising values have been the rule in all markets. Oil was in dull demand last week but prices were firm at $15 to $18.50 per pound in a market fairly well supplied with stocks.

Citronella—Spot prices on Ceylon oil were moved up 5c., making the spot market $1.05 to $1.50 per pound as the final quotation for 1949. Most importers said that although there was oil available at the origin, prices received were mainly high. Java and Java-type oil had a narrower price range, the market being $1.65 to $2 per pound which was reached by a 20c. drop in the higher end of the range. Exports from Shanghai in the period January—July were 26,400 pounds, according to the US consul at that port.

Clove — Business in spice for import reappeared in the spot market last week despite the very substantial quantities recently purchased at the origins for the account of local distillers. Pricewise, the market remained steady under light calls.

Geranium—Most dealers took a strong view on prices for either Algerian or Bourbon oil but in one quarter $12 was named on the Bourbon article, which compared with $12.50 to $14.50 that was quoted in other directions. All replacement advices were in the direction of well maintained shipment quotations.

Lavender—Signs of a revival of more liberal purchasing, after the turn of the year, developed on spot last week and market comment was in the direction of values showing substantial strength at all points. An advices indicative of market strength in spike oil at the origin indicated subnormally low holdings at that point because of the drought last Summer.

Lemon—The final week of 1949 was a fairly quite period of strictly jobbing demand when it came to prompt deliveries. The year ended firmer than it began and most sellers looked forward with substantial confidence to satisfactory trade next quarter.

Lemongrass — Reports of developing easiness at the origins reached the spot last week. However, dealers indicated it to be too early to find a clearly defined trend in the direction which many had forecast in recent weeks. Incidentally, this is a season during which prices at the origins ordinarily rise. It still seemed likely that in considerable measure, the future price trend in 1950 will depend on the demand rising in connection with the synthesis of vitamin A and well informed quarters were still of the opinion that the probabilities of such consumption had been overstated.

Nutmeg—Resumption of major transactions appeared to await the new year.

For Late Market Developments, See Page 4

Local quotations remained very steady last week.

Ocotea Cymbarum—Solely because of small supply and no need to replace at current prices at the origin, this oil remained minimum at 75c. per pound, being very firm thereat. The range was wider when one quarter made the market $1 per pound.

Orange—Demand was light and strictly for small but pressing jobbing quantities. Prices seemed to be steadier than they were some time back. At least, the more or less general tendency to accept bids was no longer apparent on the spot.

Peppermint—Only the range changed in prices for this article. Natural oil was minimum, but very strong at $5.75 per pound, but one important supplier refused to sell under $6.40. Redistilled was lowest at $6 and highest at $6.80 according to dealer. Those holding the balance of the 1949 crop of 1,579,000 pounds took a very strong position with respect to future values.

Sandalwood—This article was still weak, but it lacked further drop in open quotations. Competition was very sharp.

Aromatic Chemicals

Anethol—The market was strong and in some measure quotations might be considered nominal. Actual and potential demand ran high and all sellers were reserved with respect to how much they would sell at any price. They seemed to be, in fact, limited with respect to how much they could sell and deliver. Naturally, supply will depend on the availability of anise oil.

Anisic Aldehyde—Demand was huge and likely to remain so just as long as the sale of antihistiminic drugs is legally possible without a doctors' prescription. The medical profession is moving strongly in the direction of recovering control of the at present highly saleable remedial agents for the common cold. A bill requiring restriction of sales to persons presenting a doctors prescription will be introduced into the New York state legislature next month. The sponsor to be of this measure—himself a doctor—said last week that "a number of prominent physicians have recently called to my attention the dangers inherent in the current widespread use of anti-histimines for the aleviation of the common cold."

Trade Briefs

Miss Grace Coppage, Bourjois, Inc., has been appointed a member of the promotion committee of the Frangrance Foundation.

S. B. Penick & Co., New York, has completed the renewal of a long-term lease for its Chicago branch office and plant at 735 West Division street.

Bayer Company Division, Sterling Drug, Inc., New York, is distributing a departmental easel type stand, with ten separate cards for use in ten store locations, to druggists.

A. H. Robins Company, ethical drugs, Richmond, Va., and members of the Robins family, have contributed $30,000 for the establishment of a pharmacy in the proposed $5,000,000 Memorial hospital for Richmond. The gift was made in memory of the late Claiborne Robins, first president of the firm.

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Chemical—Suggested as softener for water.

Miscellaneous—Suggested as softener for water.

Textile—Suggested as softener for water.

Water and Sanitation — Suggested as softener for water.

Diethyl Tartrate

Ceramic — Plasticizer in compositions used as coatings for protecting and decorating ceramic articles.

Electrical—Plasticizer in insulating compositions used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer in compositions used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather—Plasticizer in compositions used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating—Plasticizer in coating compositions used for protecting and decorating metallic articles.

Miscellaneous — Plasticizer in coating compositions used for protecting and decorating articles of various sorts.

Paint, Varnish, and Lacquer—Plasticizer in paints, varnishes, lacquers, enamels, and dopes.

Paper—Plasticizer in compositions used in the manufacture of coated papers and as protective and decorative coatings for articles made of paper and pulp.

Plastics—Plasticizer in making laminated-fiber and molded articles and various plastic materials.

Rubber — Plasticizer in compositions used as coatings for decorating and protecting rubber goods.

Stone—Plasticizer in compositions used as coatings for decorating and protecting artificial and natural stone.

Textile — Plasticizer in compositions used in the manufacture of coated fabrics.

Wood—Plasticizer in compositions used as protective and decorative coatings on woodwork or for many filling and repairing purposes on wood.

Dihydrazin Sulphate

Analysis—Suggested as substitute for hydrazin sulphate in analytical procedures.

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Disinfectant—Deodorant and germicide claimed not to contain any corrosive products such as iodine, phenol, mercury, hypochlorite, or active chlorine, to all of which it is claimed to be superior in its germicidal activity to all those, to be economical, effective, noncorrosive to metals, noninjurious to plastics and rubber, practically nontoxic, odorless, stable, and neutral in recommended doses, safe to use in recommended doses.

Electrical—Fungicide for treating coolant waters for radio station condensers.

Germicide for similar application.

Food—Deodorant in cleansing, disinfecting, and sanitizing, pasteurizing, and other equipment.

Germicide in similar process.

Laundering — Deodorant for general sanitation, in cleaning walls and floors, in sanitizing washing and dehydrating equipment, in treating waters.

Germicide for similar application.

Miscellaneous—Deodorant for general sanitation, disinfecting, cleaning, general hospital and other institutional use.

Germicide for similar application.

Pesticide—Claimed as effective fungicide.

Petroleum—Fungicide for treating coolant waters for oil refineries.

Germicide for similar application.

Pharmaceutical—Deodorant in cleansing, disinfecting, and sanitizing apparatus, floors, walls, buildings, and equipment.

Germicide in similar operations.

Textile—Deodorant in process operations.

Germicide in process operations.

Water and Sanitation—Deodorant for treating water.

Germicide for treating water.

Diorthocresyl Morpholidophosphate

Adhesives—Fire-retardant solvent (U.S. 2418224) in adhesive compositions containing cellulose acetate.

Ceramic—Fire-retardant solvent (U.S. 2418224) for coating compositions, containing cellulose acetate, used for protecting and decorating ceramic articles.

Cellulose Products—Fire-retardant solvent (U.S. 2418224) for cellulose acetate.

Cosmetic—Fire-retardant solvent (U.S. 2418224) in nail enamels and lacquers containing cellulose acetate as base material.

Electrical—Fire-retardant solvent (U.S. 2418224) in insulating compositions, containing cellulose acetate, used for covering wire and in making electrical machinery and equipment.

Glass — Fire-retardant solvent (U.S. 2418224) in compositions, containing cellulose acetate, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather — Fire-retardant solvent (U.S. 2418224) in compositions, containing cellulose acetate, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating — Fire-retardant solvent (U.S. 2418224) in coating compositions, containing cellulose acetate, used for protective and decorating metallic articles.

Miscellaneous — Fire-retardant solvent (U.S. 2418224) in coating compositions, containing cellulose acetate, used for protecting and decorating articles of various kinds.

Paint, Varnish, and Lacquer—Fire-retardant solvent (U.S. 2418224) in lacquers and dopes containing cellulose acetate.

Paper — Fire-retardant solvent (U.S. 2418224) in compositions, containing cellulose acetate, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp.

Photographic — Fire-retardant solvent (U.S. 2418224) in making films from cellulose acetate.

Plastics — Fire-retardant solvent (U.S. 2418224) in making laminated-fiber and molded articles and plastic materials from cellulose acetate.

Resin — Fire-retardant solvent (U.S. 2418224) for resin-cellulose derivative compositions and solutions.

Rubber — Fire-retardant solvent (U.S. 2418224) in coating compositions, containing cellulose acetate, used for decorating and protecting rubber goods.

Stone — Fire-retardant solvent (U.S. 2418224) in coating compositions, containing cellulose acetate, used for decorating and protecting artificial and natural stone.

Textile — Fire-retardant solvent (U.S. 2418224) in compositions, containing cellulose acetate, used in the manufacture of coated fabrics.

Wood — Fire-retardant solvent (U.S. 2418224) in compositions, containing cellulose acetate, used as protective and decorative coatings on woodwork or for many filling and repairing purposes on wood.

Metadiphenylbenzene, Chlorinated

Resin—Starting point (U.S. 2454255) in making resins by addition to polystyrene.

Methoxyphenollactone

Plastics—Stabilizer (U.S. 2454273) for thermoplastics.

Methoxypolyethyleneglycols

Adhesives—Suggested as plasticizer in adhesive compositions containing or based on casein or dextrin or zein.

Chemical—Intermediate in making mono fatty ester surface-active agents.

Cosmetic—Suggested as plasticizer in casein-based creams.

—*Continued on page 70*

Protective Coatings Materials

Demand for coatings materials was quiet in the main last week, a normal phenomenon at year-end, but business prospects for 1950 were regarded as excellent. Price changes during the period included an increase in imported casein, announcements of January 3 advances in bone glue and a variety of first-of-the-year adjustments. The price index stood its ground at 196.4.

Aluminum paste and powder, in plentiful supply, was steady. An imminent boost in carbon black remained a distinct possibility last week, but as of press time there was no official action reported by any maker. January bookings were said to be good and indications were for an active first quarter. Interest in cadmium colors, slow because of the holidays, was expected to pick up this month. Dry color sales, off as usual at December's close, were believed due for a sharp rise in volume in January. In fact, sellers expected a good first half. This situation similarly obtained for titanium dioxide. Zinc oxide was firm, notwithstanding a quarter-cent rise in the metal.

Blanc fixe was upped $2.50 to $5 per ton on the first in line with previous announcements. One line of petroleum hydrocarbon resins was advanced one-half cent per pound over the week end. Shellac was steady and quiet as 1949 drew to a close, as were natural resins.

A severe heat wave in the Argentine was responsible for a rise of fully one-half cent in imported casein in New York. One brand of resinous chlorinated paraffin was reduced 15 percent on January 1, as indicated earlier. Effective January 3, 40 and 65-jellygram bone glues will command one-half cent per pound more each.

Market Trends

Prices Advanced

Casein, imp., acid-precip., ½c. per lb.
Rosin, gum, New York, B, D, 15c. per 100 lbs.
WG, WW, X, 20c. per 100 lbs.
Turpentine, gum, New York, 1c. per gal.
Savannah, ½c. per gal.

Prices Reduced

None

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
196.4	196.4	196.4	224.3

(*For Current Prices see Page 9*)

Prime Pigments

Aluminum Paste, Powder—Prices were steady during the week, and no changes were known to be in the making. Demand was reported fair, due in large part to the year-end lull of consuming industries. Stocks were ample all around.

Black Carbon—Talk remained current in the trade of impending price changes on rubber grades, but as of late Friday there was no official indication of any such move by any manufacturer. Most observers were of the opinion that if any price action was taken it would in all probability not affect paint grades. Although business was sluggish during the week, orders for January were said to be very good and prospects for the entire first quarter appeared excellent. Stocks were similarly favorable.

The Bureau of Mines reported November production at 99,281,000 pounds, which compares with 99,403,000 pounds turned out in October and 105,915,000 pounds manufactured in November, 1948. Output for the first eleven months of 1949 aggregated 1,121,266,000 pounds, as against the 1,184,655,000 pounds produced during the January-November period of 1948.

Shipments in November were reported at 97,258,000 pounds, versus 99,361,000 pounds in October and 105,628,000 pounds in November, 1948. January-November shipments in 1949 came to 1,025,375,000 pounds, which compares with 1,148,353,000 pounds during the first eleven months of 1948. Producers' stocks at the close of November totaled 212,211,000 pounds, as against 210,188,000 pounds held on October 31 and 108,706,000 pounds on hand on November 30, 1948. The Department of Commerce reported October exports at 24,067,000 pounds, which compares with 37,306,000 pounds sent abroad in November, 1948. Exports for the first ten months of 1949 aggregated 247,865,000 pounds, which compares with 261,484,000 pounds in January-October, 1948.

Blue, Peacock—The United States Tariff Commission reported October production of this pigment material at 223,079 pounds, which compares with 224,240 pounds turned out in the previous month.

Cadmium Colors—Quotations on both lithopones and CP grades held firm during the week. No moves were looked for within the immediate future. Stocks were ample all around. Demand was slow last week because of the holidays, but was expected to move up to a moderate pace this month.

Dry Colors—Indications at year-end were that demand would hold good for at least the first half of 1950. Sales last week were on the sluggish side because of the holidays. However, many buyers were already reported to be making bookings for Spring operations. Stocks were excellent. Prices were maintained and there was nothing to indicate any imminent price movement.

Titanium Dioxide — Demand was off during the past seven days, a normal phenomenon at year-end. However, producers were of the opinion that business prospects for the first half of 1950 were excellent, some buyers having already started with their Spring bookings. Prices were maintained, and nothing was expected in this regard within the foreseeable future. The supply position was unchanged, offerings continuing freely available to all comers.

Zinc Oxide—The metal, under pressure of stronger demand from galvanizers, advanced ¼c. per pound last week, rising to 10c., East St. Louis basis. Schedules on both leaded and lead-free oxides remained unchanged as of press time.

Fillers and Extenders

Blanc Fixe—As per previous announcements, dry, by-product moved up $2.50 to $5 per ton on the first. The new schedule calls for $80, carload, and $90 per ton, l.c.l. Pulp material was unchanged, holding at $67, carload, and $73 per ton, l.c.l.

Calcium Carbonate — Arrivals during the period totaled 1,267 bags of whiting from Antwerp and Liverpool. Prices were unchanged. Offerings were excellent. Demand was down.

Fuller's Earth—Importations last week amounted to 1,206 bags of fuller's earth from London.

Kyanite — Imported during the past seven days were 548 tons of kyanite ore from Mombasa and Calcutta.

Mica — Arrivals for the seven-day period were reported at 2,979 cases of mica from Calcutta and London.

Vermiculite — Importations last week aggregated 87 tons of vermiculite ore from Beira.

Synthetic Resins

One line of petroleum hydrocarbon resins moved up ½c. per pound as of yesterday in line with previous announcements. Other resins held firm at previous listings. Demand for most types was off, a normal condition at year-end. However, prospects for 1950 business were regarded as excellent.

Natural Resins

The holiday-induced slump in demand continued in force during the past seven days. However, New York dealers were confident that business would pick up early this month. Apart from Singapore No. 1, still on the short side, stocks of all gums were good. Arrivals during the week totaled 933 bags of copal gum from Liverpool, Singapore, Manila and Matadi, 1,084 bags and 25 cases of dammar from Singapore and 13 cases of elemi from Manila.

Shellac—The market was quiet in New York as the year drew to a close. Calcutta, which opened steady, continued that way all week. Buyers were inactive for the most part, due primarily to the holidays and year-end inventory taking. Lemon grades remained scarce. Superfine continued to show improvement. Prices were steady all around. Importations last week amounted to 50 bags of buttonlac, 100 bags of garnetlac, 3,650 bags of seedlac and 2,465 bags of shellac from Calcutta, Genoa and Hamburg

Lacquer Materials

Dibutyl Phthalate—The United States Tariff Commission reported October production of this plasticizer at 1,544,222 pounds, which compares with an output of 909,054 pounds during the preceding month.

Tricresyl Phosphate — Production of

For Late Market Developments, See Page 4

STEARATES

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ZINC — ALUMINUM

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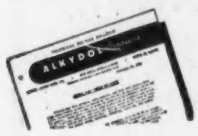

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this material during the month of October aggregated 1,204,938 pounds, according to the United States Tariff Commission. This compares with the 1,140,427 pounds of tricresyl phosphate turned out during September.

Miscellaneous Materials

Asbestos—Both longs and shorts continued in critically short supply last week. Prices held steady. Imported were 13,136 bags of fiber from Leningrad.

Asphalt—Arrivals during the period totaled 482 barrels of asphalt from Port of Spain.

Casein—A severe heat wave in Argentine dairying sections boosted both the thermometer and New York prices on imported casein, the latter advancing fully ½c. per pound to a range of 18½c. to 18¾c., ex dock. Domestic grades were unchanged at 23c. to 23½c. for standard and 23c. to 24c. per pound for premium. French casein, practicably unobtainable, was quoted nominally at 20½c., ex dock. Importations aggregated 250 bags of casein from Havre.

Commodity Credit Corporation purchases for the week ended December 23 totaled 4,232,922 pounds of spray process skimmed milk powder and 1,774,419 pounds of roller. Government purchases of milk powder for all but the last week of 1949 totaled 427,023,503 pounds, versus 138,480,485 pounds bought during the fifty-one-week period in 1948.

Chlorinated Paraffin—As per previous announcements, one line of resinous material was lowered 15 percent on Sunday.

Glue—Effective January 3, 40 and 65-jellygram bone grades will be ½c. per pound higher apiece. Other bone glues continue unchanged. The new prices in carloads, East of Midwest, are 17½c and 19c. per pound, respectively. Arrivals totaled 84 bags of bones, 930 bags of glue and 103 bales of gluestock from Buenos Aires and Liverpool. October output, of bone glue, as reported by the Bureau of Census, was up 36 percent, as against a rise of 32 percent in September. Hide glue production in October came to 4,901,488 pounds, versus 4,157,196 pounds in September.

Naval Stores

Pine Gum—Prices received by producers for crude pine gum delivered to processing plants during the week ended December 24 averaged $18.01 per standard barrel of 435 pounds for gum purchased outright and $20.15 for gum processed for the Commodity Credit Corporation, according to the Department of Agriculture. The weighted average price paid for all gum was $19.78 per barrel, the same as for the previous week.

The eighteen reporting plants received 4,265 standard barrels of commercial gum and 19,949 barrels of loan gum, a total of 24,214 barrels, or 1,345 barrels per plant, compared with 1,231 barrels at the same plants a week ago.

The estimated turpentine contents of the gum were:—.30 gallon for loan gum and 8.13 gallons for commercial gum, or an average of 8.27 gallons. Rosin contents were 295.1 pounds for loan, 294 for commercial, or an average of 294.9.

The percent of gum by grades was:—WW, loan 1, commercial 1, average 1; WG, loan 2, commercial 1, average 2; N, loan 20, commercial 10, average 18; M, loan 53, commercial 51, average 53; K and below, loan 24, commerical 37, average 26.

The record of the gum naval stores markets over the week ended December 30 was as follows:—

Gum Rosin

Price per 100 lbs.

	Savannah Exchange (Low of range) Mon.*	Tues.	Wed.	Thurs.	Fri.*	New York c.l., l.c.l., f.o.b. ex N. Y. whse. Friday
B	...	$5.75	$5.75	$5.75	...	$7.25 $8.00
D	...	6.00	6.00	6.00	...	7.25 8.00
E	...	6.31	6.31	6.31	...	7.35 8.10
F	...	6.45	6.45	6.45	...	7.35 8.10
G	...	6.45	6.45	6.45	...	7.35 8.10
H	...	6.45	6.45	6.45	...	7.35 8.10
I	...	6.45	6.45	6.45	...	7.35 8.10
K	...	6.46	6.46	6.46	...	7.35 8.10
M	...	6.46	6.46	6.46	...	7.35 8.10
N	...	6.46	6.46	6.46	...	7.35 8.10
WG	...	6.66	6.66	6.66	...	7.75 8.50
WW	...	6.96	6.96	6.96	...	7.85 8.60
X	...	6.96	6.96	6.96	...	7.85 8.60
Drums						
Sales	...	...	...	...	...	
Receipts	...	176	40	86	...	
Shipments	...	...	...	2,481	...	
Stocks	...	31,413	31,453	29,058	...	

Gum Turpentine

	Savannah Exchange Bulk Mon.*	Tues.	Wed.	Thurs.	Fri.*	New York (ret. dms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.) Friday
Per gal.	...	.40½	.40½	.40½	...	.48½ .57
Sales, bbls.	...	240	320	...	...	
Receipts, bbls.	...	625	356	351	...	
Shipments, bbls.	...	10	1	366	...	
Stocks, bbls.	...	10,078	10,433	10,418	...	

* No market.

Central N.Y. Paint Salesmen Elect

The Central New York Paint Salesmen's Association elected Walter W. Williams at its recent Christmas party. Other officers names were Donald C. Hobart, vice-president, and Donald C. Capes, secretary-treasurer.

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Dow Appoints Tucker 'Styrofoam' Sales Head

Dow Chemical Company, Midland, Mich., has appointed A. R. Tucker, jr., head of "Styrofoam" sales, to succeed Joseph E. Russell, who has resigned. Mr. Tucker will transfer his headquarters from the company's Los Angeles office to its Midland headquarters, where he will be assisted by E. R. Turnquist as technical sales adviser. Mr. Tucker has been associated with the company since 1946.

Louisville Paint Group Elects Donahew President

The Louisville Paint and Varnish Production Club elected H. F. Donahew, Schaefer Company, president at its recent annual meeting in the Seelbach hotel, Louisville, Ky. Roscoe H. Sawyer, Devoe & Raynolds, Inc., was elected vice-president, and Henry L. Beakes, Kentucky Color & Chemical Company, was returned to office as secretary-treasurer. The guest speaker at the meeting was F. B. Pethwisch, Reynolds Metals Company, who discussed the production and use of aluminum bronzes.

Pratt & Lambert Presents Awards to Veteran Employees

Pratt & Lambert, Inc., paint and varnish manufacturer, Buffalo, N. Y., presented gold watches, symbolic of twenty years service, to four employees and specially designed cuff links, representing ten years service, to three employees during its recent Christmas party. Recipients of watches were Julian Guize, Russell C. Hughes, David B. Lilburn and Salvatore L. Losi. Cuff links were presented to Raymond G. Brunner, Allen K. Poh and Walter J. Zintel.

Rieke Making New Can Spout

Rieke Metal Products Corporation, Auburn, Ind., is currently marketing a new leakproof and tamperproof combination seal-spout for five gallon pails which is designed to cut waste by making it possible to pour the contents without spilling. The closure consists of a metal seal, under which is a pouring spout molded of flexible "Bakelite" polyethylene and a threaded cap of the same plastic.

Paint Credit Men Propose Thibault for '50 President

The following slate of officers for 1950 was proposed at a recent meeting of the Paint and Allied Industries Group of the New York Credit Men's Association:—

President, H. W. Thibault, Federal Paint Company; first vice-president, Theodore H. Kleine, Hilo Varnish Corporation; second vice-president, A. C. Beach, Sherwin-Williams Company; treasurer, William Rohs, Colonial Works, Inc.; three-year directors, Victor Isaacs, Central Paint & Varnish Works, S. Samuels, Eagle Paint & Varnish Works, and W. T. Stewart, Benjamin Moore & Co., and one year directors, G. A. Bloom, Hanlon & Goodman Company, Fred Fromholz, Egan & Hausman Company, James A. Kenny, Baer Brothers, and Miss M. Lifson, Twentieth Century Paint & Varnish.

Lewis Celebrates Twenty-Fifth Anniversary in Paint Industry

Edward J. Lewis, paint, varnish and printing ink raw materials, Chicago, is celebrating his twenty-fifth anniversary as a manufacturers representative this month. Mr. Lewis was associated with the dye chemical and color department of the Sherwin-Williams Company before organizing his own business. He is assisted in the firm by Leonard Fuchs and a son, Herbert B. Lewis, and his second son, Robert F. Lewis plans to join the organization upon his graduation from the University of Illinois in February.

Trade Briefs

Donald A. Barth, traffic manager of Durez Plastics & Chemicals, Inc., has been elected to the board of directors of the Transportation Club of Buffalo.

Phil C. Frayser, former merchandising manager of the Martin-Senour Company, Chicago, emerged temporarily from his retirement to participate in sessions of the national sales conference of the company in the Stevens hotel on December 17.

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CINCINNATI, O.	Amsco Solvents & Chemicals Co.	4619 Reading Road
CLEVELAND, O.	Ohio Solvents & Chemicals Co.	3520 W. 140 Street
DETROIT, MICH.	Western Solvents & Chemicals Co.	6472 Selkirk Avenue
GRAND RAPIDS, MICH.	Wolverine Solvents & Chemicals Co.	1500 Century Avenue
HOUSTON, TEXAS	Texas Solvents & Chemicals Co.	8501 Market Street
INDIANAPOLIS, IND.	Hoosier Solvents & Chemicals Co.	1650 Levitt Avenue
LOS ANGELES, CAL.	Griffin Chemical Co.	555 South Flower Street
LYNDHURST, N. J.	Stoney-Mueller, Inc.	Page & Newark Avenues
MILWAUKEE, WISC.	Wisconsin Solvents & Chemicals Co.	1719 S. 83rd Street
NEW ORLEANS, LA.	Southern Solvents & Chemicals Co	1854 Jefferson Highway
PROVIDENCE, R. I.	Philipp Bros. Chemicals, Inc.	511 Westminster Street
SAN FRANCISCO, CAL.	Griffin Chemical Co.	1000 16th Street
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BOSTON Mulcahy & Griffin	DETROIT C. W. Hess Co.	MONTREAL, CAN. Wm. J. Michaud Co., Ltd	ST. LOUIS Harry G. Knapp
BUFFALO Wetherbee Chemical Co.	HOUSTON Joe Coulson Co.	NEW ORLEANS C. N. Sutton	SAN FRANCISCO E. M. Wells
CHICAGO Philip E. Cole Co.	KANSAS CITY John T. Kennedy Sales Co.	PHILADELPHIA Loos & Dilworth, Inc.	SEATTLE Carl F. Miller & Co.
CINCINNATI Decks & Sprinkel	LOS ANGELES E. B. Taylor Co.	PITTSBURGH B. Ostroff	TORONTO, CAN. A. S. Paterson

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Tungsten Ore Processing Boost Planned in Korea

A Korean recovery project designed to increase the production of tungsten concentrates by approximately 100 metric tons per month has been approved by the Economic Cooperation Administration, it was announced last week.

The project will cost $556,000. ECA will supply $322,000 to meet the costs of the new equipment, to be purchased in the United States. The remainder will be supplied by the Korean government.

The project calls for installation of ore crushing, grinding and classifying equipment to increase the recovery of tungsten concentrates from the extensive ore deposits at Sangdong, Korea. The Sangdong deposit, owned by the Republic of Korea, is reported to be one of the world's largest sources of tungsten ore.

Mineral Pigments Offers New 'Jet-Milled' Pigments

Mineral Pigments Corporation, Muirkirk, Md., has published a brochure describing its commercial production of "Jet-Milled" pigments. According to the company the pigments offer outstanding improvements in high dispersion properties, brilliance of masstone and undertone, softness, easy grinding characteristics and uniformly fine texture. The production of "Jet-Milled" materials includes such pigments as brown oxides, phthalocyanine colors and other materials, in addition to earth colors.

Philadelphia Paint Club Plans January 11 Meeting

Ray A. Hill, advertising director of the National Paint, Varnish and Lacquers Association, will outline the organization's plans for 1950 industry advertising at a meeting of the Philadelphia Paint, Varnish and Lacquer Association on January 11 at the Adelphia hotel. Also scheduled to speak is Don Rose, columnist of the *Evening Bulletin*, who will talk on "Happy Accidents."

Standard Varnish Names Crawford to Sales Post

Standard Varnish Works, New York, has appointed Hugh C. Crawford industrial sales promotion manager. Mr. Crawford, who has been active in the industrial finishes industry for many years, will direct his efforts towards enlarging the sales of the company's line of general industrial finishes.

NPC Meets January 26

The first quarterly meeting of the National Petroleum Council in 1950 will be held January 26 in the conference room of the Department of Interior. Reports of the following committees will be considered: petroleum imports; petroleum industry manpower; liquefied petroleum gas; federal oil and gas leasing; proposed petroleum policy council, and petroleum reserve productive capacity.

Sun Oil Names Zimmerman Industrial Relations Head

Sun Oil Company, Philadelphia, has appointed William E. Zimmerman director of industrial relations, to succeed William D. Mason, who has retired after forty-five years in the petroleum industry. Mr. Mason will continue to serve on the company's board of directors until the annual meeting of stockholders in April. Mr. Zimmerman, who joined the company in 1937, has been assistant manager of the industrial relations department since 1944.

Socony Paint Changes Name

A change in name to Socony Paint Products Company, effective January 1, has been announced by the Socony Paint Products Division of the Socony-Vacuum Oil Company. The company operates a new paint plant at Metuchen, N. J., and a division office at 59 East Van Buren street, Chicago, Ill. Other manufacturing plants of the company are in Beaumont, Tex., and Los Angeles, Calif.

Trade Briefs

Socony-Vacuum Oil Company is erecting two new storage tanks for bonded bunker C fuel oil at its terminal in Norfolk, Va. They are scheduled for completion in December.

Society of the Plastics Industry has made its motion picture "The Scientific Approach to Better Plastics" available to educational institutions of the advanced high school and college level as well as to industrial organizations.

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Petroleum Derivatives

With the exception of one brand of aliphatic-aromatic blends which moved up yesterday in line with previous announcements, prices in last week's market for petroleum derivatives were steady. Aromatics stood fast in the face of wider acceptance of recent rises in coaltar toluol and benzol. Aliphatics were also on unchanged, although gasoline remained on the weak side.

The upsurge in coaltar aromatics quotations gained new adherents during the period, but petroleum toluol and xylol stood its ground. The oil trade, although admitting that the coal tar action was significant, indicated that no comparable moves were in the offing for petroleum aromatics. One brand of blends went up one cent per gallon as of yesterday in line with previous announcements. Higher boilers and blends were otherwise unchanged, and no price moves were known to be in the marking.

Call for aliphatics slumped somewhat during the week, due in large part to the customary year-end lull in business. Offerings were plentiful all around. Listings were maintained, notwithstanding the continued threat posed by gasoline softness.

Butane and propane remained scarce last week. Other light fractions were in abundant supply. There were no price changes for any of these materials, nor were any contemplated. Fully-refined grades of paraffin held firm. Interest in fuel oils was slow because of the holidays and the unseasonably warm weather experienced along the Eastern Seaboard.

Solvents and Diluents

Aromatic Solvents—The upward movement in coaltar toluol and benzol gained additional adherents during the past seven days. Despite the apparent general acceptance of these price rises among coaltar producers, petroleum toluol and xylol held firm at previous levels. Sellers, while admitting that the coaltar action was not without significance, indicated that no similar moves were in the making for petroleum aromatics. Although the last two weeks of the year are customarily a period of business lethargy, demand was reported to be continuing at an excellent pace. One maker of petroleum aromatics, as previously announced, halted toluol operations yesterday. At the same time, reports continued current that the government will not require the addition of toluol to aviation gasoline during the first half of this year.

As per previous announcements, increases averaging one cent per gallon went into effect yesterday on one line of aliphatic-aromatic blends. The market for blends and higher boiling range aromatics was otherwise unchanged. Offerings were good for the most part, although call was down somewhat because of the year-end lull. No price changes were anticipated.

Cleaners' Naphtha—Buying interest was down somewhat during the past week because of seasonal conditions. Prices were maintained all along the line, notwithstanding continued gasoline softness. Philadelphia marketers quoted 13c. per gallon for tankcars. Other East Coast makers were 1c. per gallon higher, or 14c. for tanks. In group 3, the price was 10⅞c. per gallon, tankcars. Supplies were plentiful all around.

Lacquer Diluent—Apart from the holiday-induced slump in demand, there was little change in this section during the week. Supplies were in ready availability to all buyers. Prices were unchanged, despite the continued threat posed by the weakening gasoline market. East Coast marketers named 16c. per gallon for tankcars. Group 3 sellers were at a range of 11⅛c. to 12⅛c. per gallon, tanks.

Market Trends

Prices Advanced
None

Prices Reduced
None

(For Current Prices see Page 9)

Mineral Spirits—Although the gasoline picture remained soft during the period, there was no change in the price structure of this aliphatic. Philadelphia suppliers, still under the influence of a local competitive situation, quoted 13c. per gallon, tankcars. Other East Coast marketers were at 14c. per gallon, tanks. In group 3, the prevailing market price ranged from 9⅞c. to 10⅜c. per gallon for tankcars. Consumer inquiry was off due to the year-end lull in operations. Supplies were excellent all around.

Rubber Solvents—There was no change in the market position of these materials during the past seven-day period. Stocks were on a par with previous levels, continuing excellent. Demand was down slightly because of the year-end holidays. Prices were maintained, notwithstanding gasoline softness. East Coast marketers named 15c. per gallon for tankcars. Group 3 sellers were at 10⅜c. to 11⅜c. per gallon, tanks.

Stoddard Solvent—Due to the year-end tapering off in consumer operations demand for this aliphatic was down during the period. Stocks were everywhere plentiful. Prices were without change, although the gasoline market still posed a threat to the status quo. Philadelphia sellers quoted 13c. per gallon for tankcars. Group 3 marketers were at 10⅜c. to 10⅞c. per gallon, tanks. East Coast sellers in other than the Philadelphia area named 14c. per gallon for tankcars.

V. M. & P. Naphtha—The price structure was maintained during the period. East Coast marketers named 15c. per gallon for tankcars. Group 3 sellers were at a range of 10⅞c. to 11⅜c. per gallon, tanks. The supply position remained unchanged, continuing excellent all around. Demand was off due to the year-end lull.

Lighter Fractions

Heptane—Demand continued fair during the period. Stocks were ample all around. Prices were maintained.

Hexane—There was no change in the market position of this material during the past seven days. Offerings were excellent in all areas. Demand was only moderate. Prices were without change.

LPG's—Both butane and propane remained in very short supply, as did storage space for these materials. Demand was heavy. Listings in group 3 were unchanged, holding at 4c. for butane and 2½c. per gallon for propane, tanks.

Pentane—This section was without feature during the week. Offerings were good. Demand was fair. Prices were without variance.

Waxes

Paraffin—There were no price changes in fully-refined during the week, listings ranging from 6.35c. to 7.05c. per pound, carload, loose slabs, f.o.b. refinery, for 120-122 ASTM to 135-137 ASTM, inclusive. Quotations on crude scale remained unobtainable, since sales of this material were still being transacted largely on a private basis.

Miscellaneous

Crude Oil—The Louisiana Conservation Commission last week announced an increase of 9,055 barrels per day in January oil allowables. The December quota was 6,331 barrels daily over the allowable in force during October-November.

Pemex, the Mexican government's oil administration, announced the discovery of a new oil and gas field ten miles South of Reynosa, across the border from McAllen, Texas.

Fuel Oil—Trading was slow in fuels during the week, due in the main to holiday lethargy and the unseasonably warm weather experienced along the East Coast.

Los Angeles Petroleum Market

Trading in solvents and diluents has been normal, with a slight deviation for the holiday period. The market remains firm and supplies are good. No price changes are expected in the near future. Cleaning solvent quoted at 15½c. to 19½c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles basin area; lacquer diluent named at 16½c. to 20½c. per gallon, same basis, and stoddard solvent listed at 15.7c. to 19.5c. per gallon, same basis.

There is continued improvement in demand for LPG's with present supplies adequate to meet the call. Butane is off ½c. per gallon, sellers quoting 6.3c. for tankcars, f.o.b. Los Angeles basin area, and propane at 5.8c., same basis.

Paraffin wax prices remain firm and supplies excellent as the market continues unchanged. A slight decrease in activity is credited to the holiday season. Quotations are as follows:—140-147 ASTM, carload, loose slabs, f.o.b. shippers refinery, San Francisco, quoted at 6.95c. per pound; 146-148 ASTM, same basis, 7.15c. per pound, and 157-162 ASTM, same basis, 7.6c. per pound. Tankcar prices posted at 6.6c., 6.8c. and 7.25c. per pound, respectively.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended December 17 totaled 257,976,000 barrels, according to the Bureau of Mines. Compared with the total of 256,545,000 barrels for the preceding week, this represents an increase of 1,431,000 barrels, comprising an increase of 1,594,000 barrels in stocks of domestic crude and a decrease of 163,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

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Oils, Fats and Waxes

While trading in oils and fats was restricted to occasional carlots, the market remained on a firm basis. Business was centered in the edible group and light sales took place in corn, peanut and soybean oils at fractional advances. Soybean oil was firmer under government buying. Peanut oil production was sold up and reports that the government may further reduce releases of peanuts for crushing purposes stiffened this market. Coconut oil also was higher and up fractionally, with the firmer copra market. Offers of copra for shipment were scarcer and quotations were lifted $5 per ton. Palm oil was steadier due to the higher cost of replacements and was raised fractionally for spot stocks. Price index advanced to 111.1, compared with 173.9 for the same time last year.

Strength in tallow and grease continued to feature this market. Active export inquiry was reported and bids at premiums failed to attract sellers. Production was reported sold ahead and offerings of all grades were scarce and firmly held. Domestic business was limited to occasional odd lots at unchanged prices. Fancy and extra tallow and choice white were in excellent request for export.

Producers reduced wholesale prices of soap products and shortening, ranging from 4 to 7½ percent.

Market Trends

Prices Advanced

Coconut oil, ¼c. per lb.
Copra, $5 per ton.
Corn oil, ¼c. per lb.
Peanut oil, ½c. per lb.
Soybean oil, ¼c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
111.1	110.3	109.4	173.9

(For Current Prices see Page 9)

Cottonseed Oil

Bleachable cottonseed oil futures continued on a firm basis last week. Trading was mixed and chiefly of a professional nature. Hedge sales were light, while lifting of hedges was more active which supported the market. Stronger crude oil and other edible oils also were strengthening factors.

Improved consuming inquiry and limited offerings stiffened crude oil. Sales took place at 10¼c. per pound, tankcars, f.o.b. mills, immediate shipment Southeast and Valley and in Texas. Bids at these figures brought out little oil late in the week.

Sales and prices of refined bleachable prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended December 30 follow:—

	Sales	Cents per pound High	Low	Close
January	..	....	....	12.55N
March	175	12.56	12.24	12.52—12.51S
May	255	12.59	12.24	12.53S
July	151	12.60	12.25	12.25@12.58
September	122	12.59	12.21	12.48S
October	47	12.36	12.11	12.31@12.33
December	1	12.20	12.20	12.25@12.35

Total sales, 751 tankcars, including switches.

Memphis.—Crude cottonseed oil sold at 10¼c. per pound, tankcars, immediate shipment and 10c. bid for January. Crude soybean oil was 10¼c. bid for first week January and 10⅛c. last half January. Market steady. Cottonseed meal, 41 percent, $61 per ton, Memphis, immediate and $60. January. Cottonseed cake, $55 per ton, bulk, f.o.b. mills, Mississippi and $62 per ton, f.a.s. New Orleans, January. Cottonseed hulls, $5 per ton, bulk Mississippi and $5.50, Memphis.

Linseed Oil

There was little doing in the market. Raw oil continued nominal at 17.30c. per pound, tankcars, Zone 3 for January forward delivery. Firm bids it was reported could still shade prices for tankcars, but consumers showed no interest in replacements.

Minneapolis.—Demand for oil improved during the week and both large and small buyers were making commitments for January-March shipment, some even going beyond the first quarter of the New Year. Oil prices showed some firmness, after settling off to a 16.1c. per pound low during the past fortnight. Rock bottom prices to large buyers were at 16.2c and 16.3c. a pound (under special conditions) while the general market ranged from 16.4c. per pound to as much as 16.7c. per pound in zone 1.

Shipments of linseed oil, in pounds, were as follows:—

	1949-50	1948-49
This week	3,600,000	4,680,000
Since Sept. 1	153,460,000	119,178,000

Flaxseed—Active trading for export stiffened the market. Domestic business, was slow though inquiry from crushers improved.

Minneapolis.—Demand for flaxseed was revived in the Minneapolis market as orders for nearly 1,000,000 bushels of seed for export to Norway and Holland appeared in the market. Prices, which were down as low as $3.70 a bushel a few days ago advanced to $3.90 at the low end of the range and the increased interest raised top price to $3.99 a bushel for selected quality seed for crushing purposes. There was little surplus seed in the market and when the foreign demand appeared the supplies disappeared almost at once. Aside from the export development and the resultant quickening of crusher interest in immediate and nearby supplies the market was rather quiet The holiday spirit prevailed and it was hard to arouse any sustained interest.

Shipments of flaxseed, in bushels, were as follows:—

Bushels—	Receipts 1949-50	Receipts 1948-49	Shipments 1949-50	Shipments 1948-49
This week	114,500	261,800	10,200	137,700
Since Sept. 1	12,724,900	28,891,600	1,270,700	6,800,700

Other Vegetable Oils

Castor Dehydrated — This market continued strong, reflecting the steady advance in castor beans. Trading was inactive.

Coconut — While buying interest was lacking, this market was firmer with copra. Crude oil was higher at 13¾c. per pound, tankcars, f.o.b. Pacific coast, immediate and sales were reported at 13½c. last half January. November coconut oil shipments came to 4,643 tons, the lowest monthly total since April. Shipments for eleven months totaled 57,868 tons and exceeded the 1948 comparable figure by almost 60 percent and last year's total for the year by 38 percent.

Copra—Offerings were scarce and were held at higher prices. Prompt shipment was quoted at $182.50 per short ton, c.i.f. Pacific coast. Buyers were out of the market. Philippine copra exports during November amounted to 50,991 long tons, the smallest monthly shipment since July, according to the Office of Foreign Agricultural Relations. January-November exports totaled 508,065 tons, compared with 571,822 tons during the comparable period of 1948.

Corn—Sales of crude took placed at 11¼c. per pound, tankcars, f.o.b. mills and 11½c. was asked. Market was firm. Refined oil was advanced to 14c. per pound, tankcars, New York delivery.

Olive—Buyers and sellers were on the sidelines and the market was a dull and nominal affair. Prices for edible oil were unchanged at $2.30 to $2.50 per gallon, drums, duty paid, spot delivery as to seller. Commercial and olive foots were unchanged and featureless.

Palm—This market was firmer with the higher cost of replacements and stocks on the spot were raised ¼c. Tankcars were quoted at 10½c. and drums, 11½c. per pound, spot delivery.

Peanut — Sold up production stiffened this market and light sales of crude were reported at 12½c. per pound, tankcars, f.o.b. mills, up ½c. Refined oil was firm at 15c. per pound, tankcars, New York delivery.

Soybean—Trading was spotty. Market was firm. Crude oil was sold at 10¼c. and bid 10⅜c., tankcars, f.o.b. mills, immediate shipment. January was quoted at 10¼c. and February-March was 10⅛c. bid. Refined edible oil was steady at 13c. per pound, tankcars, New York delivery. CCC reported purchases of 25,986,000 pounds of crude soybean oil and 6,615,000 pounds of hydrogenated soybean oil, for the week, December 19-23 and 96,290,000 pounds and 15,565,000 pounds, respectively during the period, July-December 23.

Sales and prices of prime crude soybean oil on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended December 30 follow:—

	Sales	Cents per pound High	Low	Close
January	..	....	....	10.25@10.40
February	..	....	....	10.10@10.35
March	..	....	....	10.25@10.31
April	..	....	....	10.25@10.31
May	5	10.15	10.05	10.25@10.35
June	..	....	....	10.20@10.35
July	..	....	....	10.10@10.29
August	..	....	....	10.10N
September	1	9.85	9.85	9.85@10.00
October	1	9.70	9.70	9.75@9.90
November	..	....	....	9.75N
December	..	....	....	9.75N

Total sales, 7 tankcars.

Tung—This market was quiet, but firm. Prices were unchanged at 26½c. per pound, tankcars, New York basis, for prompt shipment, with March forward nominal at ¼c. less. Light trading was

For Late Market Developments, See Page 4

reported in domestic oil at 26c. per pound, tankcars, f.o.b. southern mills.

Fats and Greases

Greases — Scarcity of offerings continued to restrict business last week. Export inquiry was active especially for choice white. Production was sold ahead and offerings of this and lower grades were scanty and held at premiums.

Lard—Trading was quiet. Market was steady. Cash lard was unchanged at 10½c. per pound, tierces, Chicago. Export inquiry slackened and quotations were easier at 12½c. per pound, containers, f.a.s.

Tallow — This market has remained strong. Export inquiry was active, but scarcity of offerings affected business. Domestic trading was also restricted to small odd lots. Prices were firm and better, the higher grades were held at premiums.

Animal Oils

Degras — Market remained steady for all grades. Crude and refined grades were maintained at current quotations.

Grease Oils—This market was firm, reflecting the strength in pressing stock. All grades were well held at the recent advance.

Oleo Oil—Demand was confined to actual needs. Acidless oil was steady at 16c. per pound, tierces, New York delivery.

Fish Oils

Fish Oils—Refined oil continued firm, reflecting reduced available stocks of crude oil. Crude menhaden oil was scarce and merely nominal at 6c. per pound, tankcars, f.o.b. works, Atlantic coast. Crude sardine was 6½c., asked tankcars, Pacific coast with last sales reported at 6c. Production of menhaden oil totaled 732,934 gallons, during October and 7,532,699 gallons for the first ten months of 1949, against 8,763,939 gallons total output for 1948. Sardine oil production amounted to 2,526,020 gallons in October; 4,347,687 gallons for 10 months ended October and total of 2,328,572 gallons during 1948.

Los Angeles.—Very little sardine fishing has taken place during the holiday season. Recent trading in sardine oil took place at 6c. per pound, tankcars, f.o.b. Los Angeles. Tuna oil is quoted at 4.75c. per pound, tankcars, f.o.b. Los Angeles with no trading reported and the oil remains very scarce. Total pilchard landings for the season through December 22 for the San Francisco, Monterey and San Pedro areas are 262,940 tons compared to 128,592 tons for the same period last year.

Fatty Acids

Recent lowering of prices brought out increased demand for all vegetable oil fatty acids and a moderate volume of business was reported for prompt delivery.

Red Oil—This market was firm, reflecting the strength in tallow and grease. Prices were maintained for all grades.

Stearic Acid—Business was light and spotty. All grades were well held at the recent decline.

Cake and Meal

Cottonseed Meal — Demand continued very slow for cottonseed meal and cake. Exporters have been buying very limited tonnages. Loose slab cake 41 percent offered at $56 per ton, Valley points, with bids at $1 less but very little trading. Cottonseed meal 41 percent sacked quoted at $60 Memphis and $59 middle Delta region, January shipment and $64, Georgia and South Carolina mills for January. Meal 36 percent was offered at $5 per ton less.

Linseed Meal—Trading inactive and market was unsettled. Prices were easy and nominal.

Minneapolis.—Demand for linseed meal was sluggish, open weather and the holiday slowness as well as large offerings accounting for weakness. Resellers were not as active in the market and prices were at $65.50 per ton (new process) to $67 (old process 34 percent) for spot and January supplies.

Shipments of linseed meal, in pounds, were as follows:—

	1949-50	1948-49
This week		
Since Sept. 1	327,370,000	240,960,000

Peanut Meal — Exporters have bought up about all surplus supplies of peanut meal. The government has announced that they will probably sell whole peanuts to exporters, which means supply of peanut meal for the next several weeks will be limited. Releases of peanuts for crushing have been smaller of late, and there is practically no peanut meal in the market. Last sales were at $65 for 45 percent old process meal, basis South Georgia and South Alabama mills. If the government releases whole peanuts, we cannot expect any peanut meal until more peanuts are sold for domestic crushing. A limited quantity of 45 percent solvent meal was offered at $62.50 per ton, basis South Alabama for March, April, May, June shipment, with 41 percent $5 less and bulk $3 less.

Soybean Meal—Movement of soybean meal has been slow during December. Meal, 44 percent bulk, was sold at $55 per ton, Decatur, with 41 percent offered at $57. Sacked 44 percent was quoted at $63, basis West Tennessee, with 41 percent at $64, basis Mississippi Valley for January shipment. Exporters have been showing some interest, which has held the market fairly steady.

Waxes

Beeswax—Market remained steady, irrespective of the quiet demand. Crude and refined grades were unchanged.

Candelilla — Business was inactive. Prices were maintained at former levels.

Carnauba—Consuming inquiry was quiet for spot and shipment from Brazil. Prices for all grades were maintained at current levels.

Ouricury—Higher cost of replacements have strengthened the local market. Refined was well held at 80c. to 81c. per pound for spot delivery.

Werner, Bolle Organize Firm

Fred J. Werner and Johannes L. Bolle formed a partnership on January 1 under the name of Werner & Bolle, with offices at 508 Produce Exchange building, New York, and will handle oilmeals and other feedstuffs. Telephone number is Whitehall 3-4637. Mr. Werner was formerly connected with F. J. Werner & Son, and Mr. Bolle, with Kuiper & Bolle, both of which firms have been dissolved.

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DRYERS

2877—Buflovak Atmospheric Double Drum Dryer 32"x72" complete.
2499—Stokes Rotary Nickel Dryer, 3'x5' Jacketed-Vacuum Type.
2530—Bartlett & Snow Stainless Pan Dryer; 7'11"x3' with auxiliaries.
2579—2 Devine No. 11 Vacuum Chamber Dryers; will accommodate 17 shelves each.
2826—Pittsburg Lectro Dryer Type BWC—250 complete with auxiliaries.

CENTRIFUGALS

2895—Tolhurst Stainless 12" Centrifugal with ½ H.P. motor.
2475—DeLaval No. 194 Hermetic Clarifier; with 3 H.P. motor.
2501—A.T.&M. Monel Centrifuge; Perf. Basket 30"x16"; underdriven.
2854—Sharples Centrifuge Model No. MLP5, steel contact parts.
2540—Sharples Centrifuge Model No. M4P-IJ steel contact parts.

STILLS, EVAPORATORS, PANS

2393/E—Vulcan Rectifying Column, 2'x36'; 50 plates with Calandria etc.
8846—Copper Distillation Column; 3'x37'; seven sections.
2755—Alberger Karbate Hydrochloric Acid Recovery System.
2755/R—Fractionating Distillation System with 4000 Gal. steel Still, 5' Fractionating Column, condensers, etc.
2966—Zaremba Triple Effect Copper Evaporator with auxiliaries.
2662/S—Pfaudler 500 Gal. Glass Lined Vac. Pan with S.S. 5 H.P. agitator.
2662/T—Pfaudler 2500 Gal. Glass Lined Vac. Pan with new S.S. Coil section.
2379—5 Stainless Steel Vac. Pans Jktd. and Unjacketed; sizes are 3'x5', 4'x5', and 5'x8'.
2598—275 Gal. Copper Vac. Pan, coil heated; 40"x72".
2540—Mojonnier Copper Vac. Pan 6'x16' with calandria section.
9908—Two 150 Gal. Copper and Aluminum Jacketed Vacuum Pans.
2927—2 NEW H. K. Porter 11,000 lb. Dry Powder Mixers; 370 cu. ft.

PULVERIZERS, GRINDERS, MILLS

1691—6 Fitzpatrick S.S. Model D Comminuting Machines.
2383—Raymond "00" Automatic Pulverizer with fan.
1670—Mikro No. 1 Pulverizer complete with motors.
1401—2 Raymond No. 45 Imp Mills with auxiliaries.
2804—Abbe Steel Ball Mill, 24"x20" with 2 H.P. motor.
2538—Patterson 6'x5' Buhrstone Pebble Mill; total 840 gal.
1699—U. S. Stainless Colloid Mill 3¼" rotors with two Motors 5 H.P.
2900—Premier Stainless 4" Colloid with 5 H.P. motor.
2514/M—2 Kent Water Cooled three Roller Mills; 12"x30".
2681—Kent 16"x40" water cooled three roller Mill.

FILTERS and FILTER PRESSES

2729—Oliver United Dorrco type Rotary Vacuum Filter 6'x3'; with all contact parts in nickel or nickel clad.
2374—Oliver United Rotary Vacuum Filter, 5'3"x6'.
2192—Oliver United Rotary Vacuum Filter 6'x44"; steel construction.
2789—Shriver Cast Iron Filter Press 30" open delivery; 28 chambers.
2886—6 Cast Iron 36" Filter Presses; 45 chamber; open delivery.
2973—Turl Type A Auto Filter complete.

MISCELLANEOUS

2849—Horizontal 4 Crate Retort; 40"x18' long; quick opening door.
2487—5 Day Ro-Ball Siffers 40"x120" with two or three separations.
2878—Niagara Gyro Whip Sifter No. 8A complete with motor.
2755—Two Curb or Cage Presses 18"x36" and 24"x36" with Hyd. Pumps.
2919—Screw Press with 5 H.P. Motor, gear reduction unit; size 12"x5'.
2810—F. J. Stokes No. 179 Tube Closer and Crimper with motor.
2928—F. J. Stokes No. 79 Tube Closer and Crimper with motor.
9014—New Bump Stainless Steel Pump; No. 30 with motor; 30 GMP.
2540—Two Robbins & Myers MOYNO Pumps, 2" and 2½"; steel and rubber.
9326—Kinney HI Vac Pump Model DVD 18"x14"; 190 CFM.
2208—Devine Dry Vacuum Pump 10"x10" with 7½ H.P.; 113 CFM.
2246—Stokes & Smith Two Station Automatic Powder Filler.
2700—2 Kiefer Rotary Vacuum Fillers, 16 and 18 stem.

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10—Ross Engineering 2-Truck Atmospheric Steam heated Dryers, 500 sq. ft. each.
1—Tolhurst 40" center slung, motor driven Centrifugal with monel perforated basket.
1—Fletcher 48" center slung Centrifugal, steel perforated basket, with 10-HP exp. proof motors.
1—AT&M 30" suspended, steel perforated basket Centrifugal, with exp. proof motors.
2—AT&M 20" underdriven rubber-covered Centrifugals with exp. proof motors.
1—Bird 18"x28" Continuous Centrifugal with solid monel bowl, m.d.
1—Sharples #16-V S.S. Centrifuge.
3—Sweetland Filters Nos. 12, 10, 2.
2—Sweetland Filters #2, stainless steel bodies and leaves.
2—Elmco S.S. 4'x6', 1½'x1' stainless steel Rotary Vacuum Filters.
2—Pfaudler 200-gal. glass-lined Tanks.
25—S.S. Kettles, Tanks, 50 to 500 gal.
10—Patterson, Abbe Pebble Mills, porcelain-lined 6'x8', 5'x6', 4'x5', 4½'x3½', 36"x42", 2'x3'.
2—Mikro Pulverizers 4TH, 2TH, 1SH.
10—Rotex, Ro-Ball Screeners, 40"x120", 40"x84", 40"x56".
1—Devine Vacuum Shelf Dryer, 59"x78" shelves.
2—Baker-Perkins 100 gal., 4½ gal. Jacketed Vacuum Mixers.
3—Baker-Perkins 150, 100, 50 gal. Jacketed Mixers, sigma blades.
2—Baker-Perkins Lab. 2 and 1 gal. S.S. Mixers.
8—Shriver, Sperry, 36", 32", 24" 12" C.I., P&F Filter Presses.
3—Knapp Can Labelers up to #10 cans.
2—Standard Knapp #429 Gluers, Sealers and Compression units.

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3—9" x 24" motor driven roller mills.
1—16 x 40 roller mill.
3—12 x 30 roller mills.
PONY MIXERS from 2½ gallons to 40 gallons.
2—4'6" x 5' burr stone-lined pebble mills.
1—Paterson 6' x 5' watercooled steel ball mill.
10—New portable tanks on wheels, size 36 x 36, for change can mixers.
10—8" Premier Colloid Mills.

Specializing in Rebuilt Machinery

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Lard Purchased for Germany

Purchases of lard by the Department of Agriculture under announcement LS-38, dated December 14, amounted to 42,354,524 pounds, it was announced. These purchases, under ECA requisition for Germany, were made at an average cost of $12.69 per 100 pounds, delivered at ports. Nearly all offerings under the announcement were for shipment in January. The last day for submitting offers was December 19.

LIQUIDATING 2 MODERN **DAIRY PLANTS**

Located at Marshall & Smithton, Missouri

Most of the equipment is of late type, modern, stainless steel and motor driven, including:

Stainless Steel Vacuum Pans
Glass-Lined Tanks
Buffalo Double Drum Dryers
Refrigerating Machines
Stainless Steel Tanks
Pasteurizers
Condensers
Sanitary Pumps

Send for Complete Illustrated Circular

IN STOCK AT OUR NEWARK, N. J., SHOPS:

2—#12 SWEETLAND FILTERS, 36 leaves on 4", also 72 on 2".
1—42" x 42" SHRIVER FILTER PRESS, Cast Iron, Plate and Frame, Open Delivery, 41 Chambers.
2—900 gal. closed, jack., agit. STEEL KETTLES, 10 H.P. motors & drives.
1—2,000 gal. STEEL KETTLE, jack., open top, agit., 7' dia. x 7'6" deep.
2—BAKER PERKINS MIXERS, size 17. Jacketed, 200 gallon.
1—VACUUM SHELF DRYER, 17 shelves, 40" x 43".
1—No. 4-TH MIKRO PULVERIZER. Rebuilt—immediate shipment.
2—200 gal. PATTERSON PEBBLE MILLS, Buhrstone-lined, 4' x 5'.
1—300 gal. PATTERSON HIGH CHROME MANGANESE BALL MILL, 54" x 54", jacketed, with drive and motor.
1—J. H. Day Aluminum Horiz. 1,000# DRY POWDER MIXER.
1—8' x 12' OLIVER ACID-PROOF FILTER, lead fitted.
1—LOUISVILLE ROTARY STEAM TUBE DRYER, 6' x 50'.
1—8' x 125' REEVES ROTARY KILN.
1—2' x 15' ROTARY KILN, experimental, complete.
2—6' x 12' ALLIS CHALMERS ROD MILLS.
1—ROTARY VACUUM DRYER, 5' x 33'.
1—#1 BANBURY MIXER, chrome plated rotors, drive, 40 HP motor.
2—175 gallon HEAVY PASTE MIXERS.
1—Standard Knapp automatic type TOP AND BOTTOM GLUER-SEALER, #429, self-adjusting for width and height. 25' Compression Unit. Late type. Excellent condition. Attractive price.

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FOR SALE

4—Stainless Steel Bubble Cap Columns 6' dia. x 30' high; 20 plates.
1—Copper Bubble Cap Column, 30" dia. x 30' high; 20 plates.
2—Stainless Steel Spray Towers, 33" x 17'.
1—Atm. Tray Dryer, 1,000 sq. ft.
3—Pan Dryers or Graining Kettles, Jktd. & Agit.: 5' dia. x 30"; 9' dia. x 36".
2—Sharples #16V Super-Centrifuges, stainless steel, dual purpose bowl.
1—Ingersoll Rand bronze Centrif. Pump, 850 GPM @ 140', 40 HP motor.
2—Ing. Rand Bronze Centrif. Pumps, 200 GPM @ 230', 20 HP motor.
5—Duriron Centrif. Pumps, 80 GPM @ 45'.
1—Monel Jktd. & Agit. Reaction Kettle, 100 gal., vacuum or pressure.
3—B&S Stainless Reaction Kettles, direct fired, heavy duty agitator—approx. 1,000 gal. cap.
3—Stainless Steel Tanks, 3,450 gal., vert., bolted top, 9' dia. x 7'3" high; coils.
2—Aluminum Storage Tanks, closed, 600 gal. & 1,000 gal.
3—Hevi-Duty electric furnaces, 750° C, 4 chambers each 3⅓ cu. ft.
1—Tubular Heat Exchanger, Stainless, 10 sq. ft.
5—Tub. Heat Exchangers, Steel, 31 sq. ft.
1—Struthers Wells Evaporator, 4' x 8', vert. unit, 100 sq. ft. tubes.
2—Spencer Turbine Stainless Gas Compressors, 30 HP, 600 CFM @ 80 oz.

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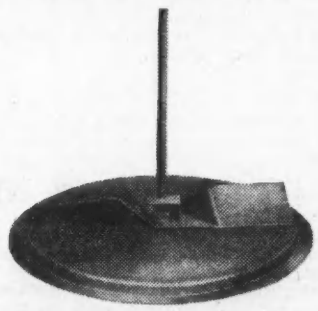
WOODMAN DRUM AGITATOR



THE IDEAL DRUM AGITATOR! —CHECK THESE FEATURES:

QUICKLY ASSEMBLED—No bridge to weld —No pin to insert into agitator rod.

AGITATOR BECOMES INTEGRAL PART OF DRUM — It is anchored to bottom by a standard ¾ inch cast iron plug screwed into a ¾ inch tri-sure flange.

BLADE BRINGS UP ALL PIGMENT FROM BOTTOM—Blade is within ¼ inch of bottom. It's 45° pitch assures thorough mixing of all pigments, oils and solvents.

AGITATOR COMES KNOCK-DOWN — This saves storage space.

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WOODMAN AGITATOR, INC.
15625 NORMANDY AVENUE
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$ for SALE

NEW Pfaudler 750 gal. glass lined closed jacketed kettle. Cost $3850.00 . . $2750.00
NEW Amer. Tool 20" susp. type centrifuge, all S.S., bot. discharge, 1800 RPM. Cost $3750.00 . . . . $2250.00
37—175 gal. S.S. open top tanks, dished bot., 4 legs, 12 gauge. Cost $360.00 . . . $125.00
Lancaster #4 S.S. Mixer, 9 cu. ft. Cost $12,500.00 . $4500.00
200 gal. W & P unjack. mixer. Cost $8500.00 . . $2500.00
Karbate 3" x 2½" chemical pump, directly connected to motors. Cost $875.00 . $425.00
300 gal. Valley Iron cast agitated kettle, jacketed. Cost $2200.00 . . $900.00
7—Worthite 1" x 1½" chemical pumps.
Devine 17 shelf vac. shelf dryer with pump and condenser. Cost $4500.00 . . $2200.00

OVER 500 OTHER MACHINES ARE IN STOCK
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SPECIALS—IN STOCK

1—#00 Raymond Mill 30 HP, complete.
Day 1200# steel, Powder Mixer & Sifter.
4—French Oil 400-Ton Linseed Presses.
6—Anderson No. 1 Expellers.
2—Dopp 1,000 gal. Jack. Agit. Kettles, Dopploy Acid Resistant & Iron.
1—Lehman 4 Roll W.C. 12"x36" Steel Mill.
1—Hardinge Conical Ball Mill, 4½'x24"
4—Allbright-Nell 4'x9' Atmos. Drum Dryers & Flakers.
2—Devine No. 3 Vac. 4 Shelf Dryers.
1—Badger 42" dia. Monel column.
1—Buffalo Vac. Drum Dryer, 24"x20"
1—Century 2 HP, 4 speed Vert. Mixer.
2—Baker Perkins heavy duty Jack Mixers, 200, 100, 50, 9 & 0.7 gals.
4—Abbe Pebble Mills, 6'x8' 60"x48"
8—Abbe Jar Mills, Lab. to 6 gal. sizes.
1—U. S. Stainless Colloid Mill, 5 HP.
15—Sperry & Shriver, 12", 18", 24" 30", 32", 42" Iron & Wood Filter Presses.
2—12" Bronze & Rubber Filter Presses.
Extra 36" Iron Sperry Plates & Frames
6—Rotex Sifters 20" x 48" to 40" x 84".
5—Tyler 38 Jr. Hummer Screens, 24"x60" & 20"x60" Split Screen.
2—Robinson No. 10 Saw Tooth Crushers.
6—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge.
8—Lehman & Kent 3-Roll Steel Mills, 3"x9", 9"x32", 12"x30", 16"x40"
4—Stokes & Colton Rotary & Single Punch Tablet Machines, ½" to 2".
1—Stedman #32 single roll crusher.
1—Sprout Waldron 16" Ball Bearing Attrition Mill, two 7½ HP motors.
11—Sharples No 5A Stainless Oil Centrifuges, 2 HP. Also No. 6.
1—Marco Stainless Homogenizer.
Devine 500, 800 & 1,000 gal. closed steel Kettles & Stills. 250 gal. lead lined kettle
10—Dry Powder Mixers, 50 to 2,500 lbs.
6—Pony Mixers, 2½ to 40 gals.
3—Stokes & Day Powder Fillers, Sifters.
10—Stokes Vert. High Vac. Pumps
3—Duriron 2"x2" Centrif. Pumps.
1—Sturtevant 36" Rock Emery Mill
1—Sanco Jr. auto. Vac. Bottle Filler.
20—Stainless, Alum., Copper & Glass-Lined Kettles & Tanks, new & used.
1—Revolvator hand operated 1,000#.
6—Filling, Labeling, Cartoning & Wrapping Machines. Colton Tube Fillers.
15—Port. Elec. Mixers, ¼-2 HP.
Rotary Cutters up to 40 HP.
8—Hammer Mills, 3 to 50 HP.
6—Centrifugals, 26", 30" & 40".
4—#00 & #0000 Raymond Mills.
6—Lead & Paste Mixers to 300 gals.
2—Worth 12"x12"x12" Vac. Pumps.
2—DeLaval Mult. Clarifiers, 300 & 301.
Soap Machinery for Toilet, Laundry, etc.

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90 WEST STREET, NEW YORK 6, N. Y.

Iron Powder Standard Issued

A new standard for the metal powder industry has just been released by the Metal Powder Association. Designated as MPA standard 7-49T, "Tentative Methods for Determination of Iron Content of Iron Powder," the standard describes procedures for the chemical analysis of granular iron powder to determine total iron content, metallic iron content, and ferric and ferrous oxide content.

Trade Briefs

DeBardeleben Coal Corporation, Birmingham, Ala., has elected Henry F. DeBardeleben chairman of the board and Newton H. DeBardeleben president. Henry F. DeBardeleben was formerly president and Newton H. DeBardeleben was formerly executive vice-president.

Sinclair Refining Company, New York, is currently marketing an approved automatic transmission type fluid for passenger cars under the name "Sinclair Automatic-Transmission Fluid, Type A."

Shell Oil Company has placed its new waterfront terminal at Tacoma, Wash., in operation. All the company's receiving, packaging and distributing facilities in Tacoma have been consolidated at the new plant.

PROCESS EQUIPMENT FOR SALE

1—Premier 15" Colloid Mill
1—Ceco Automatic Carton Sealer
3—New 65 gallon Dopp Kettles
1—Day "Hercules" 4 bbl. Mixer
1—Day 16"x40" Three Roller Mill
3—Lehman 12"x36" Five Roller Mills
1—Sperry 24" O.D. Filter Press
1—4' Dia. Putty Chaser
1—Raymond #1 Pulverizer
1—American 4"x3" Centr. Pump
1—7½ ¶ Vertical Agitator Drive
1—10' Dia. x 25' long Autoclave
1—42" Dia. x 24' Long Autoclave

ASK FOR STOCK SHEET "I"

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EQUIPMENT FOR CHEMICAL AND ALLIED INDUSTRIES

2—Pfaudler Glass Lined Horizontal Storage Tanks, 500 Gallons.

2—Pfaudler Aluminum Jacketed Reactors, 250 gallons, 1300 gallons (new).
1—Paterson Nickel Lined Blender, 192 cu. ft. capacity, 20 H.P. Motor.
2—Buffalo Vacuum Drum Dryers, 24"x20".
1—Sperry 24" Stainless Steel Filter Press, closed delivery, 12 chambers.
1—Shriver 42"x42" Filter Press, 46 chambers.
1—Mikro Pulverizer, #2TH.
1—Ball & Jewell Rotary Cutter, Laboratory Size.
1—A.T. & M. Suspended Type Centrifuge, 30" Stainless Steel perforated basket.

R. GELB & SONS, INC.
Est. 1886 UNION, N. J. UNionville 2-4900

Oils, Fats Exports, Imports: Jan.-Oct.

The Office of Foreign Agricultural Relations has released preliminary data on exports and imports of specified fats, oils and oilseeds during the first ten months of this year, as compared with the corresponding period of 1948. The figures are as follows, in pounds, unless otherwise indicated:—

Exports

	1949	1948
Coconut oil, refined	3,643,000	8,773,000
Crude	8,898,000	9,507,000
Cooking fats	21,122,000	2,745,000
Cottonseed oil, refined	47,430,000	20,606,000
Crude	47,957,000	3,841,000
Flaxseed, bushels	3,039,000	126,000
Lard	508,817,000	215,605,000
Linseed oil	3,425,000	25,667,000
Oleomargarin	1,762,000	3,124,000
Peanut oil, refined	21,971,000	667,000
Peanuts, shelled	321,214,000	291,057,000
Unshelled	5,399,000	7,145,000
Soybean oil, refined	177,621,000	34,294,000
Crude	120,684,000	33,983,000
Soybeans, bushels	20,823,000	2,329,000
Tallow, edible	22,328,000	1,277,000

Imports

	1949	1948
Babassu, kernels	34,258,000	43,390,000
Oil	3,036,000	1,224,000
Castorbeans	214,103,000	245,192,000
Oil	7,066,000	1,939,000
Coconut oil	97,877,000	69,691,000
Copra, short tons	342,520,000	369,825,000
Flaxseed, bushels	148,000	1,049,000
Linseed oil	1,316,000	3,604,000
Oiticica oil	6,951,000	15,773,000
Olive oil, edible	16,768,000	29,981,000
Inedible	2,954,000	7,730,000
Palm oil	71,310,000	47,804,000
Sesame seed	9,157,000	21,501,000
Teaseed oil	141,000	3,437,000
Tucum kernels	30,183,000	11,487,000
Tung oil	49,734,000	110,621,000

Woodring Awarded Medal

Dr. Wendell P. Woodring, geologist with the United States Geological Survey and an authority on the paleontology of the West Indies, has been awarded the Penrose medal of the Geological Society of America for "distinguished achievement in the geological sciences."

Mikro Pulverizers, 1SH, stainless steel, 2TH, 3TH.
Pebble Mills — 18x27", 30x36", 54x60", 72x60", Hardinge 6'x48" Ball Mill.
Quaker City Hammer Mills—#20-#21.
Gruendler 2XA.
16x10 Crushing Rolls, Sturtevant.
2—Ames Exhausters, 400E and 50 EES w/motor, No. 60 Clarage.
Spencer Turbo Blower 400 CFM, 14 oz. 150 CFM 24 oz. Other sizes available.
2 Tolhurst 26" and 40" centrifuges.
Hummer Screens.
Laughlin Continuous Filter
Coffrel Dust Collector.
SS Centrifugal Pump w/5HP motor.
3 & 10 HP Speed Reducers.
Fork Lift Truck, 10,000 lbs. & other sizes.
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★ *ALL STAR SPECIALS* ★

3 Pfaudler Glass-Lined Jktd. Evaporators, 60" x 24".
Day Cinati Stainless Do Mixer, 30 gal., with 3 H.P. motor.
Day Imperial 75 gal. Stainless Mixer with 15 H.P. motor.
3 Porter & Patterson Pebble Mills, 30" x 42", 4' x 5', 5' x 6'.
3 Patterson Ball Mills, 4' x 5', 5' x 6' and 6' x 16'.
1 Stokes 100 gal. Stainless Steel Jacketed Vacuum Pan.
Buflovak 5 Shelf Vac. Dryer, 42" x 42", with Stainless Trays.
5 Stokes Rotary D3 Tablet Machines.
Tolhurst 40" Suspended Type Centr. Extractor, plow & dump.
4 N. J. Pony Labelrite Machines.
Stokes 90C Aut. Tube Filler-Closer.
1 R. A. Jones Pin Dye Soap Press.
2 American Air Filters, Size 4-70.

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"You can BANK on the . . .

EQUIPMENT CLEARING HOUSE, INC.
289-10th ST., BKLYN 15, N. Y.

ALUMINUM STORAGE TANKS
Capacity About 200 Gallons Each

NEW—UNUSED—GOVERNMENT SURPLUS—rectangular, welded construction, 48" x 46" x 24", with manhole, inlet and outlet connection. In stock at our Newark plant. Original cost $295 00 each

PRICE $75.00 EACH, F.O.B. NEWARK, N. J.

CONSOLIDATED PRODUCTS COMPANY, INC.
13-18 PARK ROW, NEW YORK 7 N. Y. Telephone—BArclay 7-0600

NEW AND GOOD-AS-NEW EQUIPMENT

Stainless Steel Tanks, new, 100 and 200 gal., dished bottoms with stands.
20—Steam Jacketed Kettles, Stainless Steel & Aluminum, 30 to 250 gals.
50—Pumps, steam and electric.
New and used high pressure Steam Boilers, 2 H.P. to 250 H.P.
1—Stedman 40" Cage Disintegrator.
1—Buflovak Impregnating Tank, 42" x 52", steam jacketed.
2—Flow-Master Kom-bi-nators 8' x 24'.
2—Ribbon Type Mixers, steam jacketed.
4—Steel Tanks, 100,000 gals. each.
9—Steel Tanks, 67,500 gals. each.
1—500 gal. Vert. Glass-Lined Tank.
1—150 gal. Jacketed Glass-Lined Tank with agitator.
1—Sweetland Filter, No. 5, 15 leaves.
1—Sperry Filter, 18 x 18—24-plate.
1—Patterson Pebble Mill 36" dia. x 42", silex lined.
2—Ransome Rotary Agitators 9' dia. x 11'6".
6—Stokes Rotary Tablet Machines, Model RD-4.
10—New Sharples Oil Purifiers.
6—New Clevon Can Filling Machines.

SPECIAL New Lawler Automatic Controls, size 1", range 140 to 180° — $40.00 each.

H. LOEB & SON :-: 4643 LANCASTER AVE. PHILADELPHIA 31, PA.

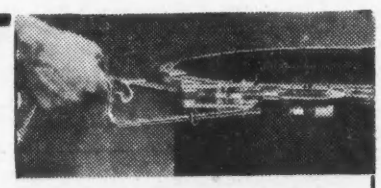
STEEL STORAGE TANK CAR TANKS

9, 10,000-Gallon, Coiled.
2, 8,000-Gallon, Coiled or Non-Coiled

Available at Once!

IRON & STEEL PRODUCTS, INC.
13454 S. Brainard Ave., Chicago 33, Ill.
"ANYTHING containing IRON or STEEL"

For SAFE CLOSURES of Full Removable Head Drums Use DRUM PARTS SYSTEM — Closing Tool Remains on Drum Until Bolt is Tight!



DRUM PARTS SYSTEM was designed to make it easy to insert the bolt in the lugs on the ring and to tighten the bolt after it has been inserted.

Note in the illustration that the wrench which is a self-contained part of the "SPAN-SEAL" Closing Tool is instantly ready to tighten the bolt, after it has been quickly inserted in the lugs.

DRUM PARTS SYSTEM makes it easier and quicker to do the job the right way—to tighten the bolt while the ring is held firmly in the proper position—not after the tension has been released.

Closures made by the DRUM PARTS SYSTEM are secure every time — and they're made in less time, too.

LITERATURE, SPECIFICATIONS AND QUOTATIONS SENT ON REQUEST

DRUM PARTS, INC.
10311 MEECH AVE CLEVELAND OHIO

SPECIALS— BUT SPECIALS!

3—STAINLESS STEEL TANKS—3450 Gals. Each. Closed—with Stainless Steel Coils—All type 347 S.S.
4—STAINLESS STEEL BUBBLE CAP COLUMNS OR TOWERS—Type 347 S.S. 6' dia. x 30' high 20 Bubble Cap Plates, etc.
2—STAINLESS STEEL TOWERS—Type 347 S.S.—33" dia. x 17' high.
3—BARTLETT & SNOW STAINLESS STEEL TYPE 347 Kettles—Direct Fired 1000 Gal. with Agitators.
2—SPENCER TURBINE COMPRESSORS TYPE 347 S.S. contact parts with 30 H.P. Motor. 600 c.f.m. at 80 oz. pressure.
1—STAINLESS STEEL TYPE 304 OPEN TOP TANK—2500 Gal. with Agitator.
1—SPERRY WOOD PLATE & FRAME 42" FILTER PRESS—Hyd. Closure 57 ch., 1¾" cake.
1—SHRIVER 30" CAST IRON JACKETED FILTER PRESS—20 Ch. C.D.

SEND FOR BULLETIN A-24
WE BUY YOUR SURPLUS

The Machinery and Equipment Corp.
533 West Broadway
New York 12, N. Y. GRamercy 5-6680

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE (Not Subject to Agency Commission)

ALL CLASSIFIED ADVERTISEMENTS—$5.00, thirty-six words or less; 85c. for each additional six words or fraction.

NO DISPLAY—First two words printed in bold face type.

COPY DEADLINE—Wednesday Noon Preceding Date of Publication.

AGENCIES OFFERED

Dry color manufacturer with head office in New York area seeks sales representation New England, South, West Coast. Highest quality products Manufacturers' representatives in allied lines, with established following especially desired. Fine opportunity with growing concern for energetic, alert man. OPD 928.

Manufacturer sensational line industrial adhesives (Latex, solvent) seeks sales representation New England, New York State, South, West Coast Line has features not present in any competitive line. Aggressive man with established contacts will attain high earnings. OPD 942.

AGENCIES WANTED

Procurement Services in Japan—U. S. agent residing Japan offers experienced services in purchase of fish liver oil, Japanese vegetable wax, other products. Excellent connections with most reliable sources of supply. A. I. Melnick & Co., Yomiuri-kaikan, Tokyo, Japan.

EQUIPMENT OFFERED

Stokes high vacuum pumps—212C, watercooled, 100 cfm; V-drive; used 3 months; satisfaction guaranteed. Price $340 each; quantity available; inspect. American Sales Co., 67 E. 8th St., New York, N. Y. GRamercy 3-1465.

Like new, two Ayers tablet counting and filling machines. Machines arranged for two container count with interchangeable fixtures for multiple releases. Will sell one or both. Make us an offer. Please reply to OPD 960.

FACILITIES OFFERED

Chemical manufacturing facilities; blending, mixing, crushing and grinding to any fineness; any quantity; competent laboratory control. OPD 957

Facilities offered for mixing dry chemicals, carload and less carload. Also grinding, pulverizing, drying, screening and packing done. Experienced, capable, personnel. Modern plant with rail siding located Metropolitan New York. Reply OPD 958.

Custom grinding to micron sizes; Pharmaceuticals, food products, abrasives, chemicals, minerals, waxes and resins. Avoid capital expenditures and royalties while developing new product sales. Use our experienced technical staff—micronizing equipment—mixing, packaging and shipping facilities. OPD 886.

MATERIALS WANTED

Emulsifying agents—We can use surplus emulsifying agents suitable for sprays, such as Atlas Tweens, Carbide & Carbon Co.'s poly-glycol, Ucon stearates, etc. State quantities and location. Reply OPD 955.

To manufacturers and jobbers. Are you overstocked? We require immediately large or small lots many items chemicals, pharmaceuticals, solvents, aromatics, waxes, other supplies. Submit offerings at once. Correspondence treated confidentially. OPD 956.

PLANTS WANTED

Wanted—Complete plants; also machinery. Large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock; (2) assets; (3) machinery and equipment, whole, or in part. Personnel retained where possible. Strictest confidence. Box 694, 1474 Broadway, New York 18, N. Y.

POSITIONS OFFERED

Product Development. Immediate opening in West Coast area for B.S. Chemist or chemical engineer with five to ten years of product development and formulation of surface coatings, particularly resin emulsion, resin varnishes and dry powder paints. Retail product development experience essential. State qualifications and salary requirements in first letter to Mr. R. F. McCoole, Technical personnel manager, Monsanto Chemical Co., 1700 South Second Street, St. Louis, Mo.

A large firm wishes experienced man as department head to develop cosmetic and foreign trade for fine industrial and reagent chemical sales. Please state salary requirements, full experience and background. OPD 953.

POSITIONS WANTED

Manufacturing Chemist, organic. Fifteen years varied industrial organic experience, including production supervision, development, personnel relations, costs, mechanical, layout, purchasing, safety, scheduling; large and small scales; fine record; desires production, development, or consulting position. Can relocate. OPD 944.

Organic Chemist—aromatics. Organic chemist with plant and laboratory background in aromatic chemicals seeks part-time production or development position within forty-mile radius of New York City. Will consider full-time position. OPD 945.

PRODUCTS WANTED

Wanted: Products of merit to sell to textile processors, tanners, paper mills, fur dressers and dyers. Will purchase manufacturing formulae or arrange royalty payments. Must stand close scrutiny. Advertiser responsible. OPD 959.

WILL REDISTILL OR PURCHASE

Waste Solvents of all Kinds

Dopes - Lacquers - Thinners - Solutions - Aromatics and other products requiring

Straight, factional, high, low temperature, atmospheric high vacuum distillation

Chemical Service Corporation

88 BEAVER STREET, NEW YORK 5, N. Y.

HANOVER 2-6970

Industrial Application

—Continued from page 60

Dye—Suggested as plasticizer in dextrin thickeners for dye compositions.

Ink—Suggested as plasticizer in inks containing casein or dextrin or zein as bodying agents.

Leather—Suggested as plasticizer in dressing, finishing, or coating compositions containing or based on casein or dextrin.

Miscellaneous—Suggested as plasticizer in compositions of various kinds, containing or based on casein or dextrin or zein.

Paint, Varnish, and Lacquer—Suggested as plasticizer in casein-based or zein-based paints, enamels, distempers, coating compositions, putties, and other compositions.

Paper—Suggested as plasticizer in sizing, coating, finishing, or proofing compositions containing or based on casein or dextrin or zein.

Plastics—Suggested as plasticizer in casein-based plastics, synthetic fibers made from zein, plastics based on zein, impregnating, laminating, or molding materials based on or containing casein or dextrin.

Textile—Suggested as plasticizer in finishing, coating, dressing, or sizing agents containing or based on casein or dextrin.

Silica Aerogel

('Santocel')

(*A gel made from sodium silicate and sulphuric acid, a highly porous material made of particles so small that a cubic-inch is said to contain (approximately) 50,000,000,000; weighs less than 5 pounds per cubic foot; specific gravity,* 2.2; *index of refraction,* 1.464.)

Chemical—Absorbent for liquids.

Anticaking promoter for powders and bulk materials.

Dry bulk extender for various purposes.

Free-flow promoter for powders.

Thermal insulation material for various equipment.

Thickener for nonaqueous liquids.

Heat and Power—Thermal insulation material.

Ink—Thickener for printing inks.

Miscellaneous—(See under Chemical).

Paint, Varnish, and Lacquer—Anticaking agent for bulk materials, powders.

Flatting agent in coating compositions and other finishes.

Thickener for various liquids.

Resin—Flatting agent for vinyl and other synthetic resins.

Rubber—Filler for batches.

Reinforcing agent in compositions.

Sodium Tetraphosphoglucosate

(*Additional uses, supplementary to those in the book, "Uses and Applications of Chemicals and Related Materials."*)

Corrosion-Prevention—Suggested as inhibitor in aerated water, calcium and sodium brines for freezing and ice plants, cooling systems for automobiles and stationary power plants, engine-jacket water for locomotives and marine diesels, gasoline and kerosene pipelines and tanks, high-chloride cooling water, hydraulic lifts, marine power plant condensers and coolers, mercury arc rectifiers, pontoons and buoys (inside), power plant condensers and coolers, recirculating spray systems for air washing and conditioning, refinery condensers and coolers, sealed-in absorbents for unit refrigerators, slushing compounds, water-soluble cutting oils.

Sodium Tripolyphosphate

Construction—Setting retarder in cement.

Ceramic—Dispersing agent in clay purification.

Peptizing agent in clay purification.

Food—Process material in cheese manufacture.

Laundry—Ingredient of detergent mixtures for various purposes.

Leather—Processing agent in treatment of hides and skins.

Miscellaneous—Peptizing agent for clay purification.

Paint, Varnish, and Lacquer—Process material in making cold-water paints of casein-lithopone type.

Petroleum—Ingredient of drilling fluids for mud treatment.

Soap—Ingredient of special cleansers and detergents.

Textile—Ingredient of degreasing, degumming, detergent, emulsifying, scouring, washing, and water-softening compositions.

Sorbitan Mono-oleate

Chemical—Emulsifying agent for various chemicals and in textile lubricants.

Cosmetic—Emulsifying agent in making various preparations.

Fats, Oils, and Waxes—Emulsifying agent in making boring, drilling, and wire-drawing oils; emulsified fat-splitting, greasing and lubricating compositions; emulsified preparations of natural or synthetic waxes, oils, fats, and fatty acids; emulsified sulphonated oils.

Leather—Emulsifying agent in making hide-softening, dressing, finishing, soaking, and waterproofing compositions; fat-liquoring baths.

Miscellaneous—Emulsifying agent in making polishes, greasing and waterproofing compositions.

Paint, Varnish, and Lacquer—Emulsifying agent in making waterproofing compositions.

Paper—Emulsifying agent in making compositions for sizing, waxing, or waterproofing paper and pulp compositions and paperboard.

Petroleum—Emulsifying agent for kerosene, naphtha, and other mineral oils, and soluble greases, and in making solubilized oils and distillates and various textile oils, such as rayon oils.

Soap—Emulsifying agent in making detergents, hand-cleansing compositions, textile soaps.

Textile—Emulsifying agent in making coating, degreasing, sizing, washing, waterproofing, and waxing compositions; baths for degumming, boiling-off, and soaking silks; oil emulsions for various applications.

Strontium Pyrophosphate

Paint, Varnish, and Lacquer—Decreaser (Ger. 721140) of solubility of zinc yellow.

Tetrammonium Pyrophosphate

Chemical—Emulsifying agent for use where sodium phosphates may be objectionable.

Water-softening agent for use where sodium phosphates may be objectionable.

Miscellaneous—Emulsifying and water-softening agent for use where sodium phosphates may be objectionable.

Textile—Emulsifying and water-softening agent for use where sodium phosphates may be objectionable.

Water and Sanitation—Softener for water.

Tetraethyl Pyrophosphate

Pesticide—Toxicant for controlling pests which do not succumb to DDT and other insecticides.

Tin Naphthenate

Lubricant—Ingredient (Brit. 398222) of nonsludging motor oils.

Triaminotriphenylmethane Tri-isocyanate

(Tri-isocyanate of Delta R Base, 'Desmodur R')

Adhesives—Starting point in making resinous adhesives (for plywood) which are claimed to be more elastic than phenolics.

Chemical—Starting point in making linear polyurethanes with the aid of polyhydroxy compounds.

Leather—Synthetic tannin for replacing natural tannins (claimed to need only seven hours instead of the usual eighty to one hundred hours).

Resin—Starting point in making resinous products for use as bases in lacquers for wood, rubber, leathers, and other materials (coatings are claimed of great weather resistance, high gloss, good electrical properties, and to be very impervious to gases).

Rubber—Cementing agent (Germany developed and used it for cementing rubber to tank treads; it is claimed that the rubber breaks before the joint between the rubber and the steel; also claimed superior for sticking synthetic rubber to cords in making tires).

Tributyl Phosphite

Chemical—Intermediate in organic syntheses.

Miscellaneous—Suggested for use as antioxidant, stabilizer.

Trimethylhexanol

Chemical—New 9-carbon primary alcohol for experimental research in synthesis of organic chemicals.

Starting point in making esters (claimed to appear promising as plasticizers, synthetic lubricants, additives to lubricating oils, and in other applications).

Trimethylhexanol Esters

Chemical—Suggested for use in experimental research in synthesis of organic chemicals.

Lubricant—Suggested for use as additives to lubricating oils, ingredients of synthetic lubricants.

Miscellaneous—Suggested for use as plasticizers in various coating compositions.

Paint, Varnish, and Lacquer—Suggested for use as plasticizers.

Yeast Tannate

('Eldoform')

Pharmaceutical—In compounding and dispensing practice (reputed useful in treating diarrhea).

Zein

(*Additional uses, supplementary to those in the book, "Uses and Applications of Chemicals and Related Materials."*)

Adhesives—Resinous base for making coating solutions for composition cork gaskets and bottle cap liners.

Electrical—Starting point in making alcoholic solutions (with rosin) claimed as shellac substitutes and to have electrical properties comparable to those of shellac.

Ink—Resinous material used in making high-speed printing inks, odorless, vapor-set inks (used in the printing of food packages), water dispersions used as printing ink vehicles (used in inks which are particularly appropriate for printing of decorative wrapping papers, cartons, and the like).

Miscellaneous—Resinous base for making scuff-resistant, water-repellent coatings for end covers of cylindrical saltboxes.

Paper—Resinous base for making greaseproof coatings for paper boxes and cartons, label varnishes used as decorative, glossy, scuff-resistant coatings for packaging papers, catalog covers, decorative wrappers, lithographed window displays, and the like.

Paint, Varnish, and Lacquer—Starting point in making alcoholic solutions (with rosin) claimed as shellac substitutes and as quick-drying, low-cost, slip-resistant floor finishes.

Plastics—Resinous material claimed useful in making phonograph records.

Zinc N,N-Diethyldithiocarbamate

Rubber—Accelerator in vulcanizing processes.

Current Prices

—Continued from page 31

Zinc-formaldehyde sulphoxalate, basic, dms., works	lb.	.21½-	—
normal, dms., works	lb.	.43 -	—
Zircon (see Zirconium silicate).			
Zirconium acetate, 13% sol. ZrO_2, bbls., works	lb.	.21¼-	—
Carbonate, basic, cake, bbls., works	lb.	.30½-	—
Hydride, cns., works	lb.	7.00 -	—
Nitrate, dms., works	lb.	1.75 -	—
Oxide, 98½-99% white, grd., bbls. or bags, works	lb.	1.50 -	—
lump, electric-fused, bgs., c.l., works	lb.	.44 -	—
5 tons, works	lb.	.44½-	—
1 ton or less, works	lb.	.45 -	.48
milled, electric-fused, bgs., c.l., works	lb.	.59 -	—
5 tons, works	lb.	.59½-	—
1 ton or less, works	lb.	.60 -	.63
Oxychloride, cryst., ctns., 5 tons, works	lb.	.29½-	—
Silicate, granular, bgs., c.l., works	lb.	.03¼-	.03¾
10 tons, works	lb.	.03½-	.04
5 tons, works	lb.	.04 -	—
1 ton or less, works	bl.	.04¼-	.04¾
milled, bgs. c.l., works	lb.	.04¾-	—
5 tons, works	lb.	.05¼-	—
1 ton or less works	lb.	.05¾-	.06¾
refined, bgs., c.l., works	lb.	.11 -	—
works	lb.	.11 -	—
5 tons, works	lb.	.11½-	—
1 ton or less, works	lb.	.12 -	.16
Sulphate, cryst., ctns., c.l., works	lb.	.37½-	—
5 tons, works	lb.	.38 -	—
1 ton or less, works	lb.	.38½-	.39

VISTA

JAN

50

XUM